CASSETTE RECEIVER

KRC-157D/L/N
KRC-1570D/L/N
KRC-357D/L/N

SERVICE MANUAL

KENWOOD

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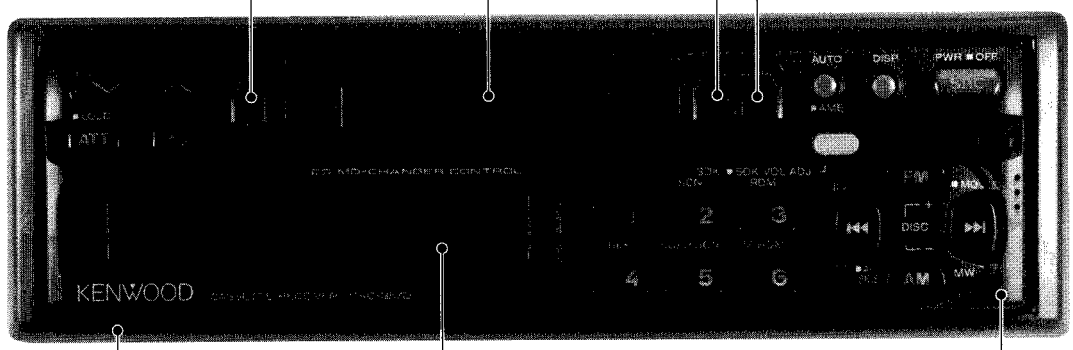
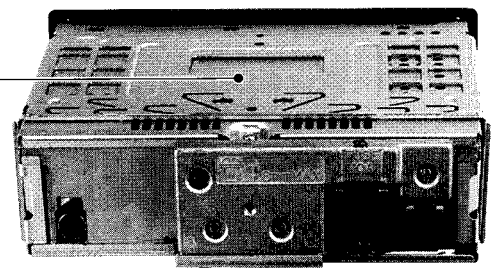
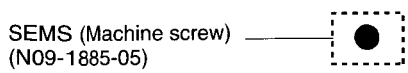
The MECHANISM OPERATION DESCRIPTION is the same as model KRC-155D/L/N.
Please refer to the service manual for model KRC-155D/L/N (B51-6677-00).

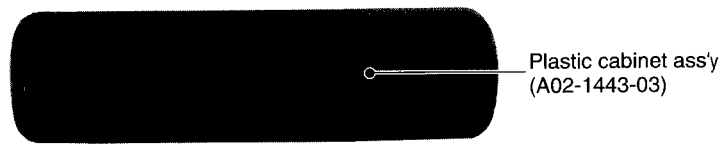
KRC-357D/L/N

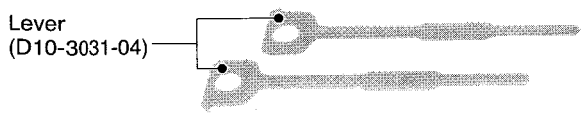
Photo is KRC-357D.

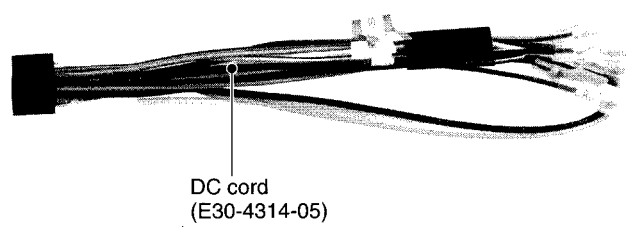












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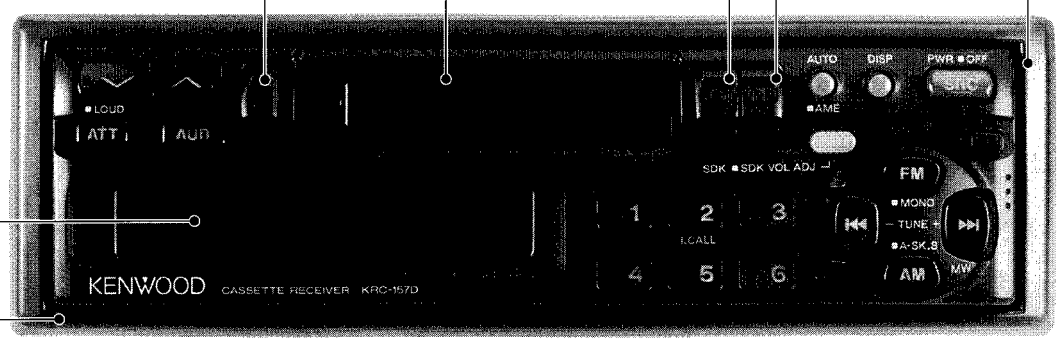
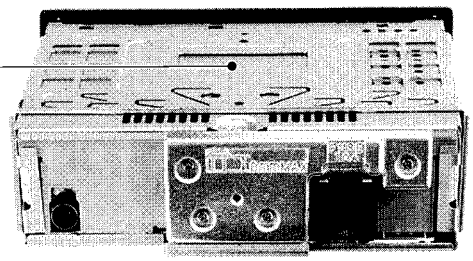
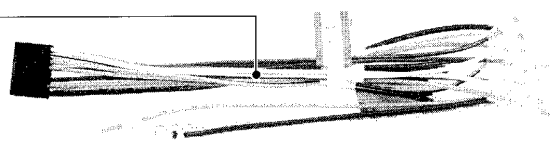
KRC-157D/L/N

Photo is KRC-157D.







KRC-1570D/L/N

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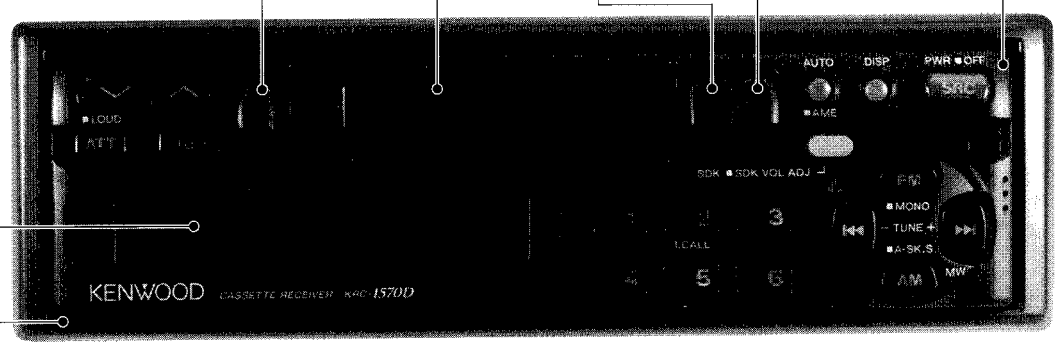
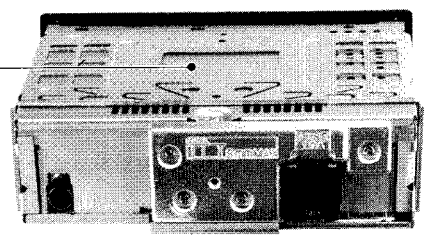
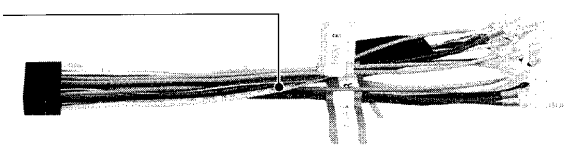
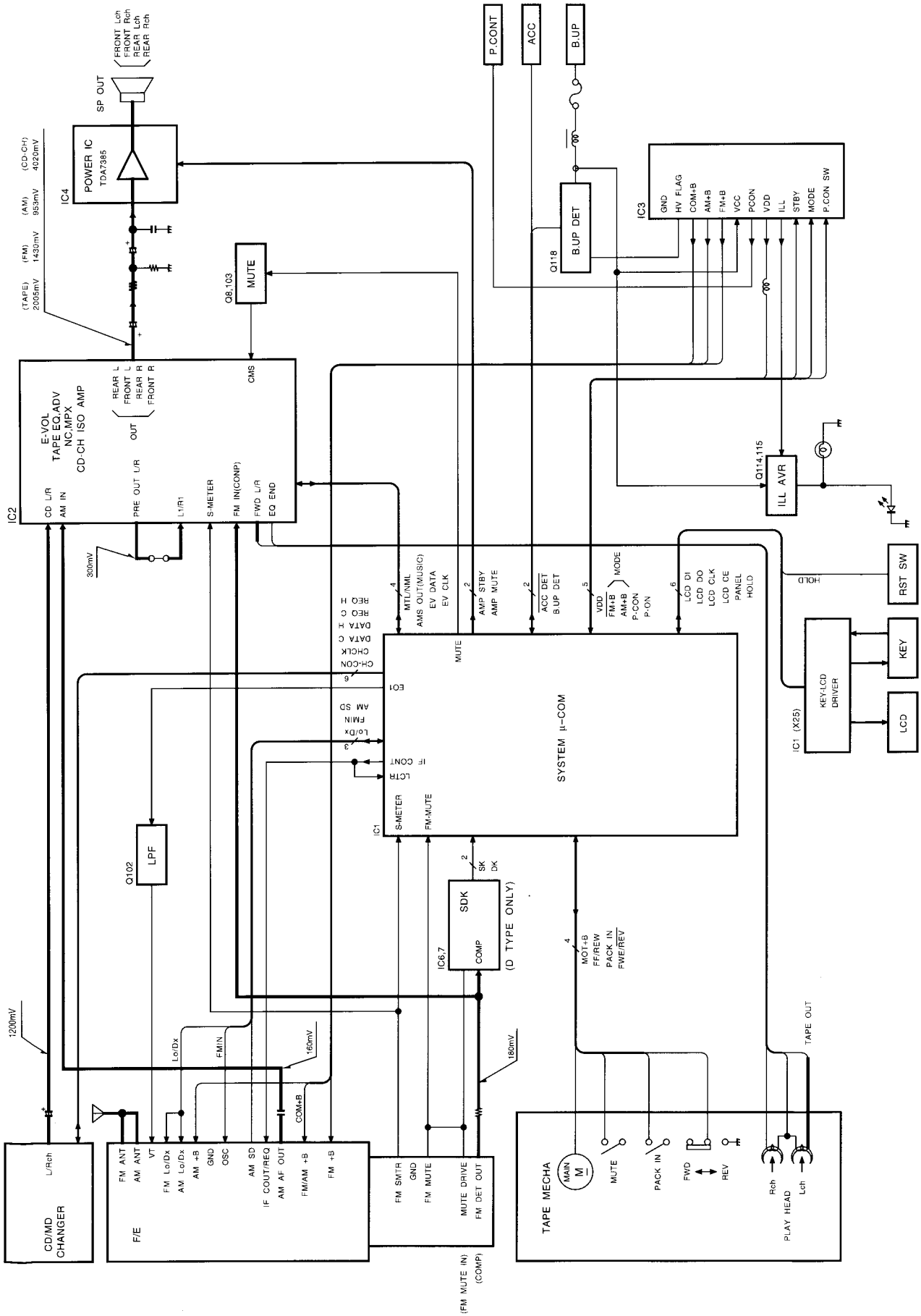






KRC-157D/L/N,1570D/L/N,357D/L/N

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

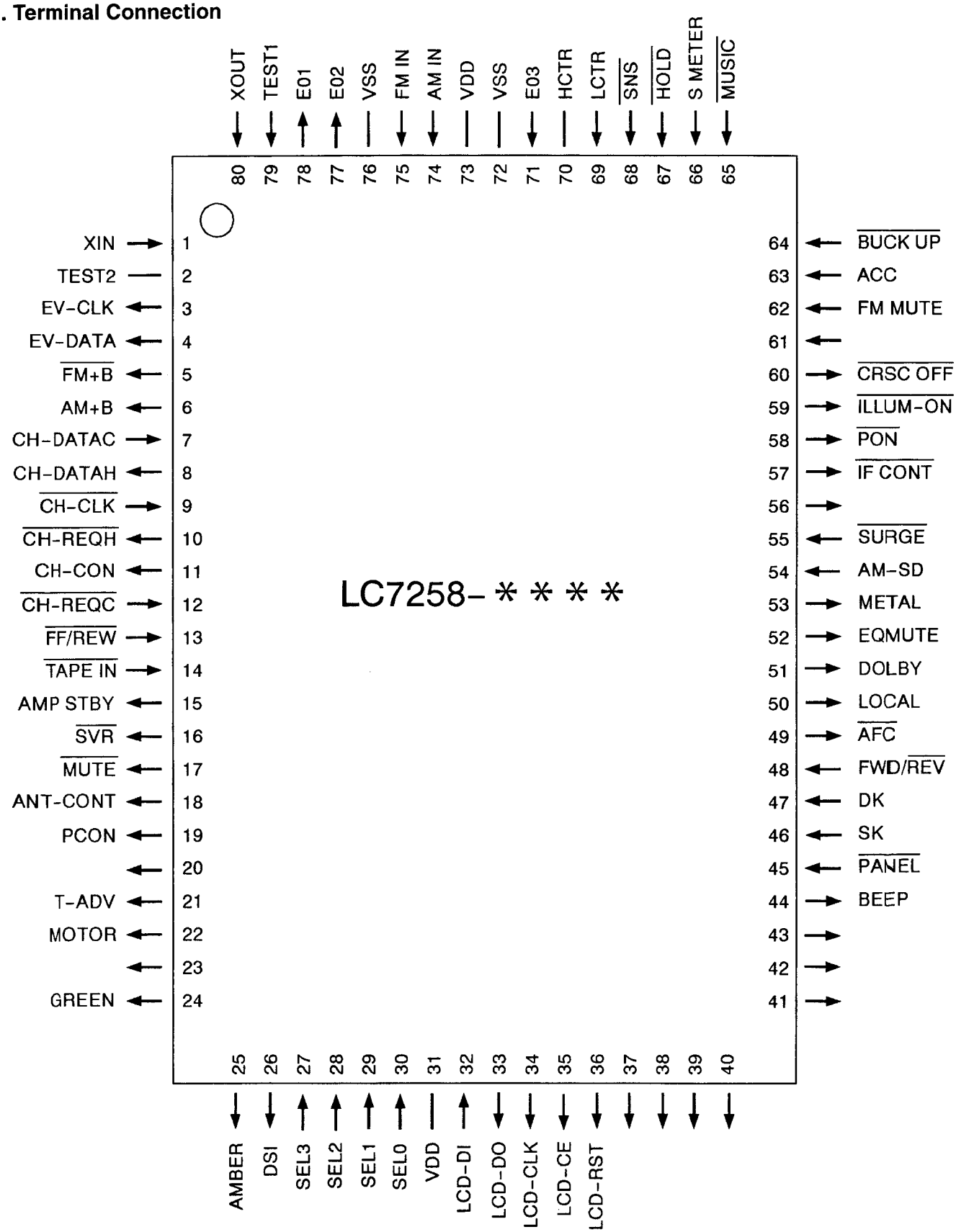
SYNTHESIZER UNIT (X14 - 5412 - 7X)

Ref. No.	Use and Function	Operation and Condition
IC1	μ-COM IC	
IC2	ELECTRONIC VOLUME	EQ amp/Electronic VOL/NC MPX/CH ISO/T.ADV/METAL/BASS/TRE
IC3	POWER SUPPLY IC	
IC4	PWR IC	
IC6	SDK IC	
IC7	SDK BUFFER & FILTER	
Q6	CRSC SW	μ-COM pin (60).
Q8	IC2 MUTE SW	ON when μ-COM (17) goes L.
Q101	PWR ON SW	ON when μ-COM (58) goes L.
Q102	L.P.F.	
Q103	MUTE SW	ON when μ-COM (17) goes L.
Q104	DSI SW	ON when μ-COM (26) goes H.
Q105	PANEL VDD SW	ON when μ-COM (45) goes L.
Q110	MOTOR SW	ON when μ-COM (22) goes H.
Q111	PLUNGER SW	ON when μ-COM (21) goes H.
Q112	MOTOR +B DRIVER	When Q110 goes ON, Q112 is turned ON and mechanism motor starts rotation.
Q114	ILLUM +B DRIVER	When Q115 goes ON, Q114 is turned ON and illumination power is supplied
Q115	ILLUM SW	ON when μ-COM (59) opens to turn Power supply IC (3) ON.
Q118	B-UP DETECT SW	ON when B-UP is detected.
Q119	SURGE DETECT SW	ON when Power supply IC (11) goes L.
Q120	HOLD DETECT SW	ON when μ-COM (67) goes L.
Q121	HOLD SW	ON when Q118 goes ON. Puts μ-COM in HOLD mode.
Q122	LOCAL SW	ON when μ-COM (50) goes H.
Q125	SVR CONTROL	ON when Q126 is turned ON by μ-COM (16) going L.
Q126	SVR SW	ON when μ-COM (16) goes L.
Q127	AMP STBY SW	ON when Q118 is turned OFF by power down. Both AMP STBY and AMP MUTE go L.
Q301	SK MUTE SW	ON when F/E FM MUTE goes H.
Q401	CD-CH MUTE SW	ON when CD CH MUTE goes H.
Q402	CD-CH RST SW	ON when Q403 is turned ON by pressing CH RST button.
Q403	CD-CH RST SW	ON when CH RST button is pressed.

CIRCUIT DESCRIPTION

IC1 : LC72358-9202 (X14 - 5412 - 7X)
Microcomputer

1. Terminal Connection



CIRCUIT DESCRIPTION

2. Terminal description

No.	Pin Name	I/O	Function	Description	In HOLD mode
3	SI0/PG3	O	EV-CLK	Electronic volume control - Clock line.	L
4	SO0/PG2	O	EV-DATA	Electronic volume control - Data line.	L
5	SCK0/PG1	O	FM+B	FM power control.	L
6	PG0	O	AM+B	AM power control.	L
7	SI1/PF3	I	CH-DATAC	Changer data input.	-
8	SO1/PF2	O	CH-DATAH	Changer data output.	Last state
9	SCK1/PF1	I	CH-CLK	Changer clock input.	-
10	PF0	O	CH-REQH	Changer request output.	H
11	SI2/PE3	O	CH-CON	Changer control.	L
12	SO2/PE2	I	CH-REQC	Changer request input.	-
13	SCK2/PE1	I	FF/REW	Tape - FF/REW detection. "L" = FF/REW.	-
14	PE0	I	TAPE in	Tape - Tape input. "L" = Tape mode.	-
15	PD3	O	AMP STBY	Standby output to power amplifier.	L
16	PD2	O	SVR	Power amp muting output. "H" =Muting H in 15 sec.	
17	PD1	O	MUTE	Audio muting output. "L" = Muting. H in 15 sec.	
18	PD0	O	ANT-CONT	Tuner antenna control. "H" = Tuner mode.	L
19	PC3	O	PCON	Power control "H" = ON.	L
20	PC2	O			L
21	PC1	O	T-ADV	Tape advance plunger output. "H" = ON.	L
22	PC0	O	MOTOR	Tape motor ON output "H" = ON.	L
23	PB3	O			
24	PB2	O	GREEN	Illumination - amber. "H" = ON.	L
25	PB1	O	AMBER	Illumination - green. "H" = ON.	L
26	PB0	O	DSI	DSI "H" = ON.	L
27	PA3	I	SEL3	Destination type selection terminal. With pull - down resistor.	L
28	PA2	I	SEL2	Destination type selection terminal. With pull - down resistor.	L
29	PA1	I	SEL1	Destination type selection terminal. With pull - down resistor.	L
30	PA0	I	SEL0	Destination type selection terminal. With pull - down resistor.	L
31	Vdd	I	Vdd		
32	PQ0	I	LCD-DI	LCD driver - Data input.	-
33	PP3	O	LCD-DO	LCD driver - Data output.	L
34	PP2	O	LCD-CLK	LCD driver - Clock output.	L
35	PP1	O	LCD-CE	LCD driver - Chip Enable output.	L
36	PP0	O	LCD-RST	LCD driver - Reset output.	L
37	PO3	O			L
38	PO2	O			L
39	PO1	O			L
40	PO0	O			L
41	PN3	O			L
42	PN2	O			L
43	PN1	O			L
44	PN0/BEEP	O	BEEP	Beep output (2.08 kHz).	L
45	PM3	I	PANEL	Panel detection. "L" = Panel detected.	-
46	PM2	I	SK	SK input. "H" = ON.	-
47	PM1	I	DK	DK input. "H" = ON.	-
48	PM0	I	FWD/REV	Tape - FWD/REV input. "H" = FWD.	-
49	PL3	O	AFC	Tuner - AFC output. "L" = During seek.	L
50	PL2	O	LOCAL	Tuner - Local output. "H" = During seek.	L
51	PL1	O	DOLBY	Tape - Dolby output. "H" = ON.	L

CIRCUIT DESCRIPTION

No.	Pin Name	I/O	Function	Description	In HOLD mode
52	PL0	O	EQMUTE	Tape - EQ muting output.	L
53	PK3	O	METAL	Tape - Metal output. "H" = ON.	L
54	PK2	I	AM-SD	AM band - SD detection. "H" = Station detected.	-
55	PK1/INT1	I	SURGE	Surge detection.	-
56	PK0.INT0	O			
57	PJ3	O	IF CONT	Tuner - IF counter ON output. "L" = ON.	OPEN
58	PJ2	O	PON	Power ON. "L" = ON. "H" in 1.15 sec.	
59	PJ1	O	ILLMI-ON	Illumination ON. "OPEN" = ON.	OPEN
60	PJ0	O	CRSC OFF	CRSC ON/OFF. "L" = OFF.	OPEN
61	PI1/ADI5	I			L
62	PI0/ADI4	I	FM MUTE	"L" = when a station is detected in FM band. Vth = 1.2V.	-
63	PH3/ADI3	I	ACC	Acc detection. "H" = ON.	-
64	PH2/ADI2	I	BUCK UP	Back-up detection. "L" = Power down. Recovery with I.	-
65	PH1/ADI1	I	MUSIC	Music detection. "L" = Music detected.	
66	PH0/ADI0	I	S Meter	FM band station detection. "H" = Station detected.	-
67	HOLD	I	HOLD	Hold detection. "L" = Hold.	-
68	SNS	I	SNS	Power down detection.	-
69	LCTR	I	LCTR	IF counter input.	-
70	HCTR	-	HCTR	-	
71	EO3	I	EO3	Phase detector error output. "OPEN".	-
72	SUB PD	-	Vss	Connected to GND.	
73	Vdd		Vdd		
74	AM in	I		VCO input.	
75	FM in			VCO input.	
76	Vss				
77	EO2			Phase detector error output. "OPEN".	
78	EO1			Phase detector error output.	
79	TEST1				
80	XOUT				
1	XIN				
2	TEST2				

	⑤FM+B	⑥AM+B
TAPE	H	L
FM	L	L
AM	H	H
CD-CH	H	L
T.CALL FM	L	L
T.CALL AM	H	H
PWR OFF	L	L

CIRCUIT DESCRIPTION

3. Key matrix

*1: Keys of K/M type models other than the KRC-357D/L/N.

*2: Keys of D type models. The J type model is basically identical to the D type except that TI is used in place of SDK.

*3: Keys of K/M type models other than the KRC-357D/L/N.

*4: L/N type models.

	KI1	KI2	KI3	KI4	KI5
KS6					SOURCE POWER OFF
KS5					PANEL
KS4	*1 AUTO A-MEMO	*1 LOUD	Radio : 6 CH : M-RDM	CLOCK	
	*2 AUTO/LOCAL A-MEMO	*2 SDK(D) DKVOL ADJ T1(J)			
	*3 AUTO/LOCAL A-MEMO	*3 LOUD ILLMI			
	*4 AUTO A-MEMO	*4 LOUD			
KS3	DOWN	*1 FM CRSC	*1 AM	UP	
		*2 FM MONO	*2 AM AT-SK.S ON/OFF		
		*3 FM CRSC	*3 AM		
		*4 FM MONO	*4 AM		
KS2	Radio : 3 Ta : METAL CH : RANDOM	Radio : 2 Ta : DOLBY CH : T-SCAN	Radio : 1 Ta : T-ADV	Radio : 4 CH : REPEAT	Radio : 5 Ta : T-CALL CH : D-SCAN
KS1	VOLUME ∨	VOLUME ∧	AUDIO VOL RET	*1 ATT	
				*2 ATT (D/J) LOUD	
				*3 ATT	
				*4 ATT	

4. Destination type setting

SEL3	SEL2	SEL1	SEL0	Selected model and type	SEL3	SEL2	SEL1	SEL0	Selected model and type
0	0	0	0	KRC-202	1	0	0	0	KRC-157L
0	0	0	1	KRC-302	1	0	0	1	
0	0	1	0	KRC-357L	1	0	1	0	KRC-357N
0	0	1	1	KRC-157N	1	0	1	1	KRC-332
0	1	0	0		1	1	0	0	KRC-157D
0	1	0	1	KRC-402	1	1	0	1	KRC-222
0	1	1	0		1	1	1	0	KRC-357D
0	1	1	1	KRC-442	1	1	1	1	

The M type model is switchable to a K type model.

*In the table above, "1" means pull - up at a few ohms and "0" means OPEN (pulled down by software).

KRC-157D/L/N,1570D/L/N,357D/L/N

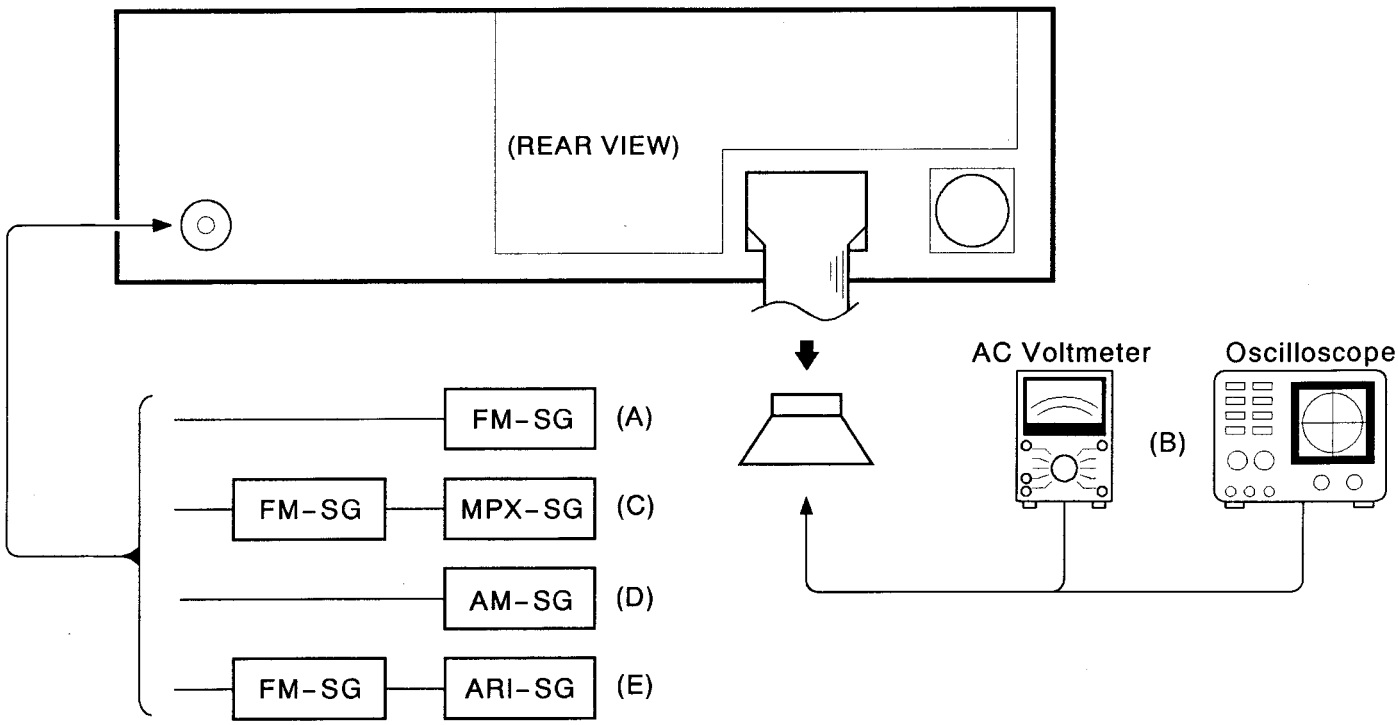
ADJUSTMENT

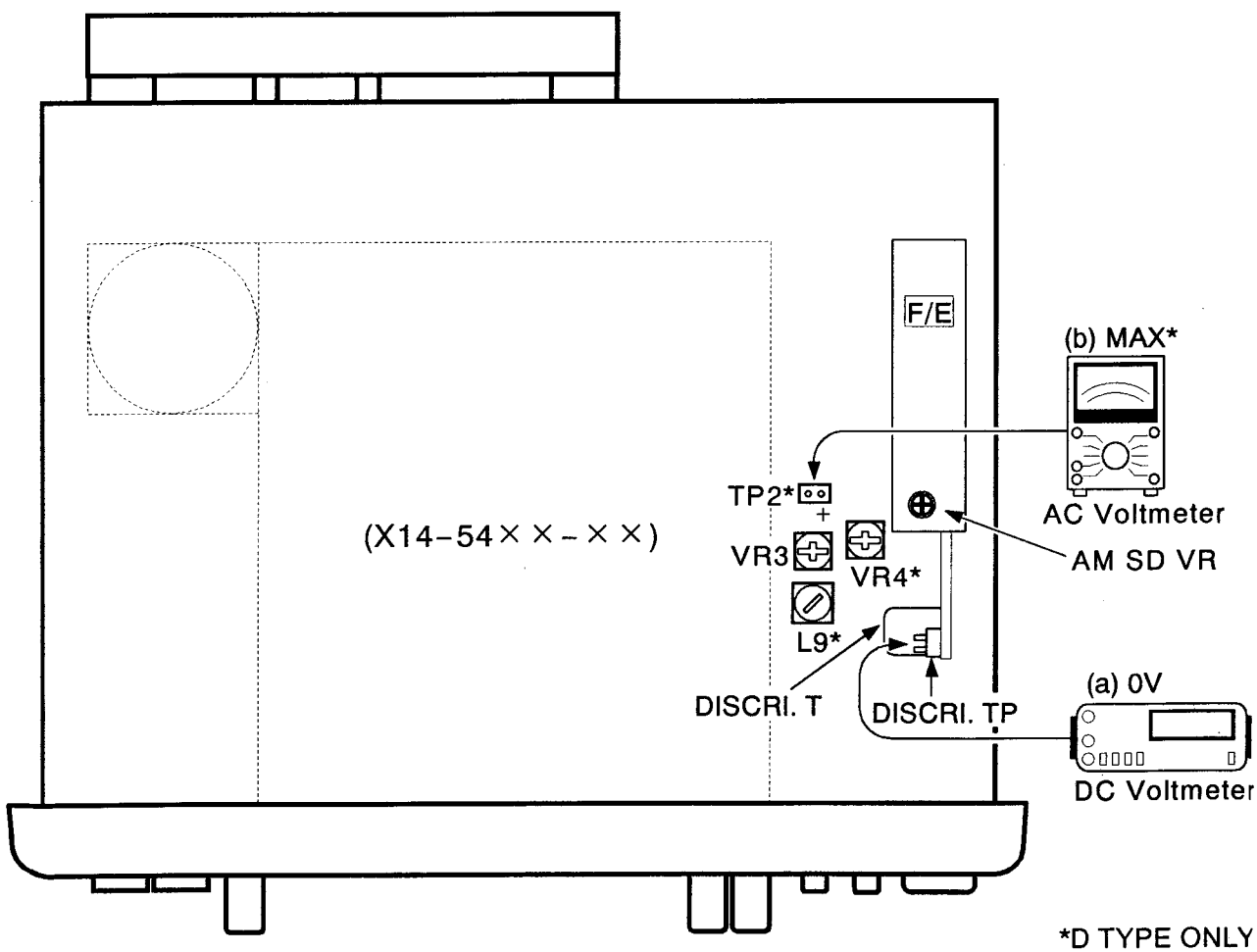
No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRI-MINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to TP(F/E)	FM 98.1MHz	T (F/E)	0V	(a)
2	ANRC (STOP LEVEL)	(C) 98.1MHz 1kHz, ±40kHz dev Pilot: ±6.0kHz dev Selector:L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR3	Separation 10dB	
SDK SECTION (D TYPE ONLY)							
3	DK LEVEL	(E) 98.1 MHz 0 mod SK 5.33% DK 30% BK 60% 60dB μ (ANT input)	Connect a AC voltmeter to TP2	FM 98.1 MHz	VR4 L9	Maximum	(b)
AM SECTION							
(1)	STOP LEVEL	(D) 990 KHz 0 mod 35dB μ (ANT input)	–	AM 990 kHz	VR (F/E)	STOP	
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L ch / R ch or FWD /RVS becomes maximum	

ABGLEICH

NR	GEGENSTAND	EINGANGS EINSTELLUNG	AUSGANGS EINSTELLUNG	TUNER (RECEIVER)	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
UKW-ABTEILUNG							
1	DISKRI-MINATOR	(A) 98.1MHz 0 Hub 60dB μ (ANT-Eingang)	Ein Gleichtrom-Voltmeter an TP(F/E) anschließen.	FM 98.1MHz	T (F/E)	0V	(a)
2	ANRC	(C) 98.1MHz 1kHZ, ±40kHz Hub Pilot: ±6.0kHz Hub Wahler : L or R 35dB μ (ANT-Eingang)	(B)	FM 98.1MHz	VR3	Trennung 10dB	
SDK-ABTEILUNG							
3	DK PEGEL	(E) 98.1MHz 0 mod SK 5.33% DK 30% BK 60% 60dB μ (ANT-Eingang)	Ein Wechselstrom-Voltmeter an TP2 anschließen.	FM 98.1MHz	VR4 L9	Maximale	(b)
MW-ABTEILUNG							
(1)	HALT PEGEL	(D) 990kHz 0 mod 35dB μ (ANT-Eingang)	–	MW 990 kHz	VR (F/E)	HALT	
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	Bandwieder-gabe	Kopfazimuts-chraube	So einstellen, daß das Azimuth für jeweils L-CH/R-CH oder FWD/RVS maximal wird.	

ADJUSTMENT





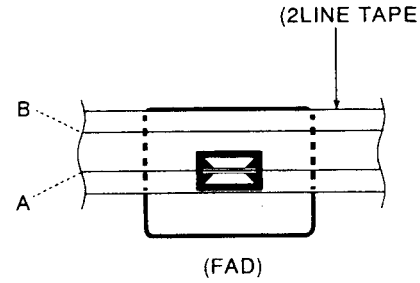
*D TYPE ONLY

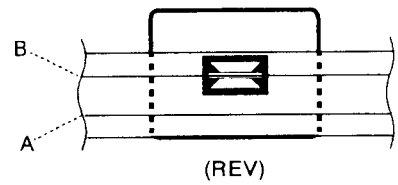
ADJUSTMENT

Head Angle Adjustment

Head height alignment procedure

- During FWD transport, adjust screws Ⓕ and Ⓕ' so that line A of 2-line tape passes through the center of the head shield plate (white section).
- During REV transport, adjust screws Ⓡ and Ⓡ' so that line B of 2-line tape passes through the center of the head shield plate (white section).
- After the alignment above, reverse th transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used: SCC-1659, manufactured by A-BEX).

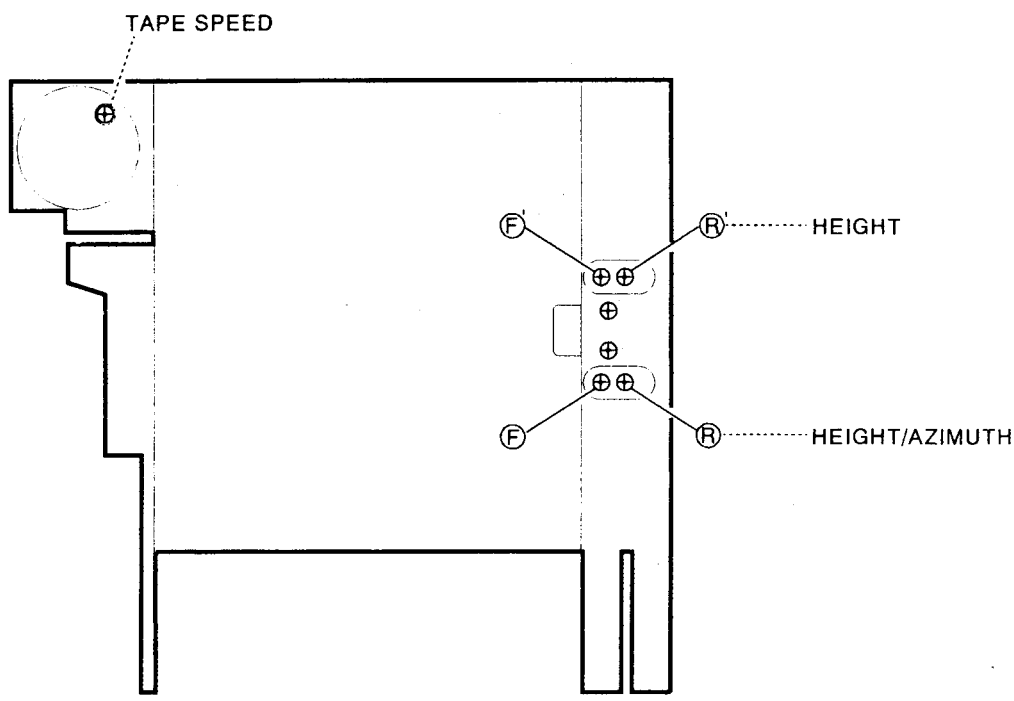




Einstellung des Kopfwinkels

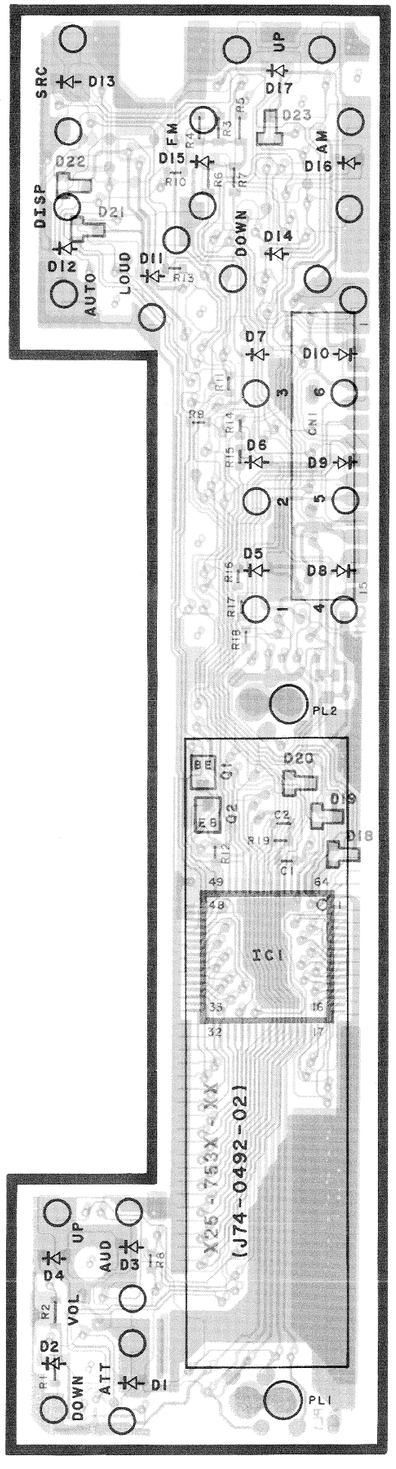
Verfahren für Abgleichung der Kopfhöne

- Während des Vorwärtstransports (FWD) die Schrauben Ⓕ und Ⓕ' so einstellen, daß die Linie A des Bandes mit 2 Linien durch die Mitte der Kopfabschirmplatte (weißer Abschnitt) passiert.
- Während des Rückwärtstransports (REV) die Schrauben Ⓡ und Ⓡ' so einstellen, daß die Linie B des Bandes mit 2 Linien durch die Mitte der Kopfabschirmplatte (weißer Abschnitt) passiert.
- Nach der obigen Abgleichung des Bandlaufrichtung wechseln und die Vorwärtstransport-Abgleichung erneut überprüfen. Wenn sie eine Abweichung aufweist, die Abgleichung erneut durchführen. (Verwendete Kassette: SCC-1659, hergestellt von A-BEX)

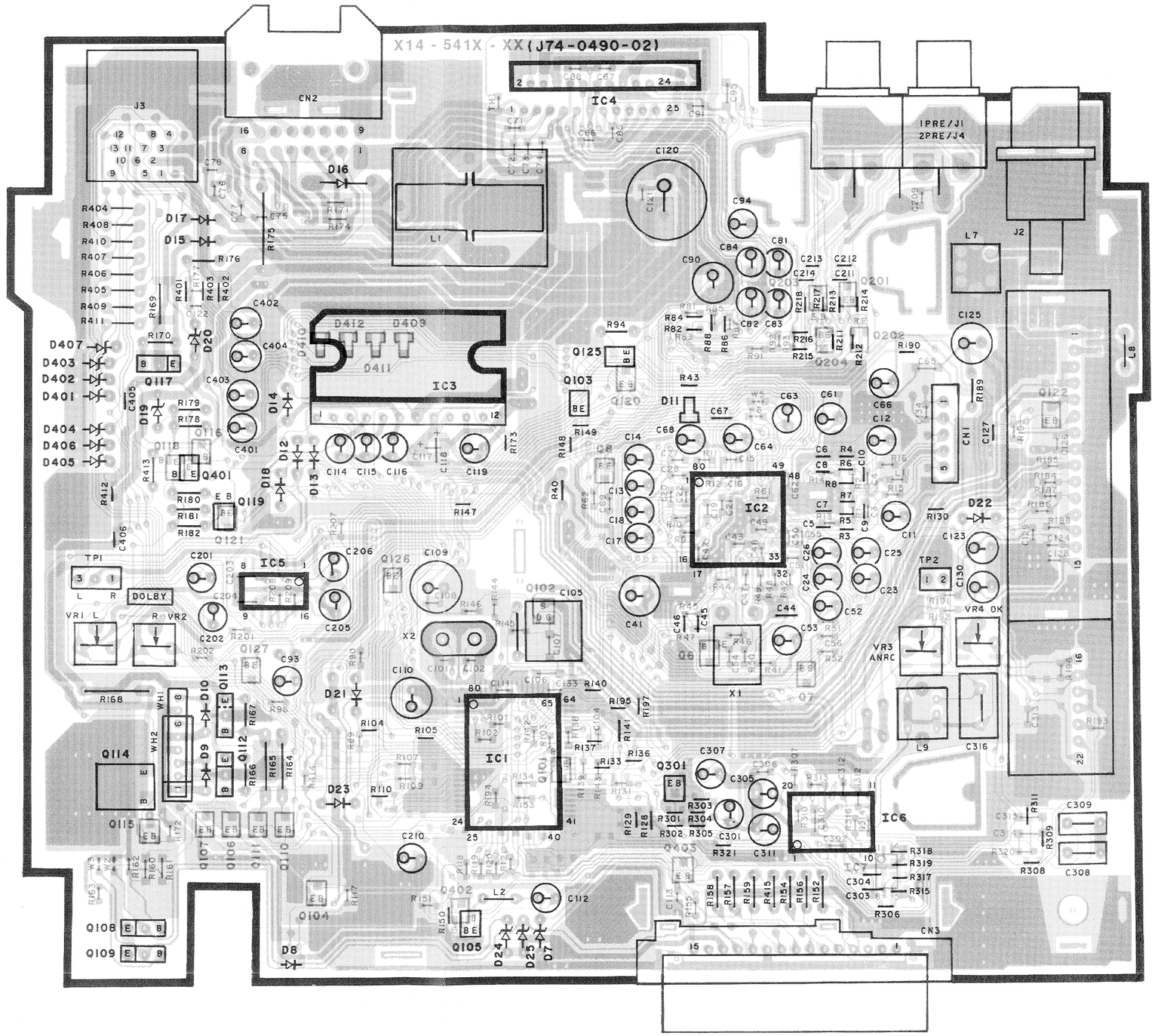


PC BOARD (Component side view)

SWITCH UNIT (X25-753X-XX)



SYNTHESIZER UNIT (X14-5412-7X)



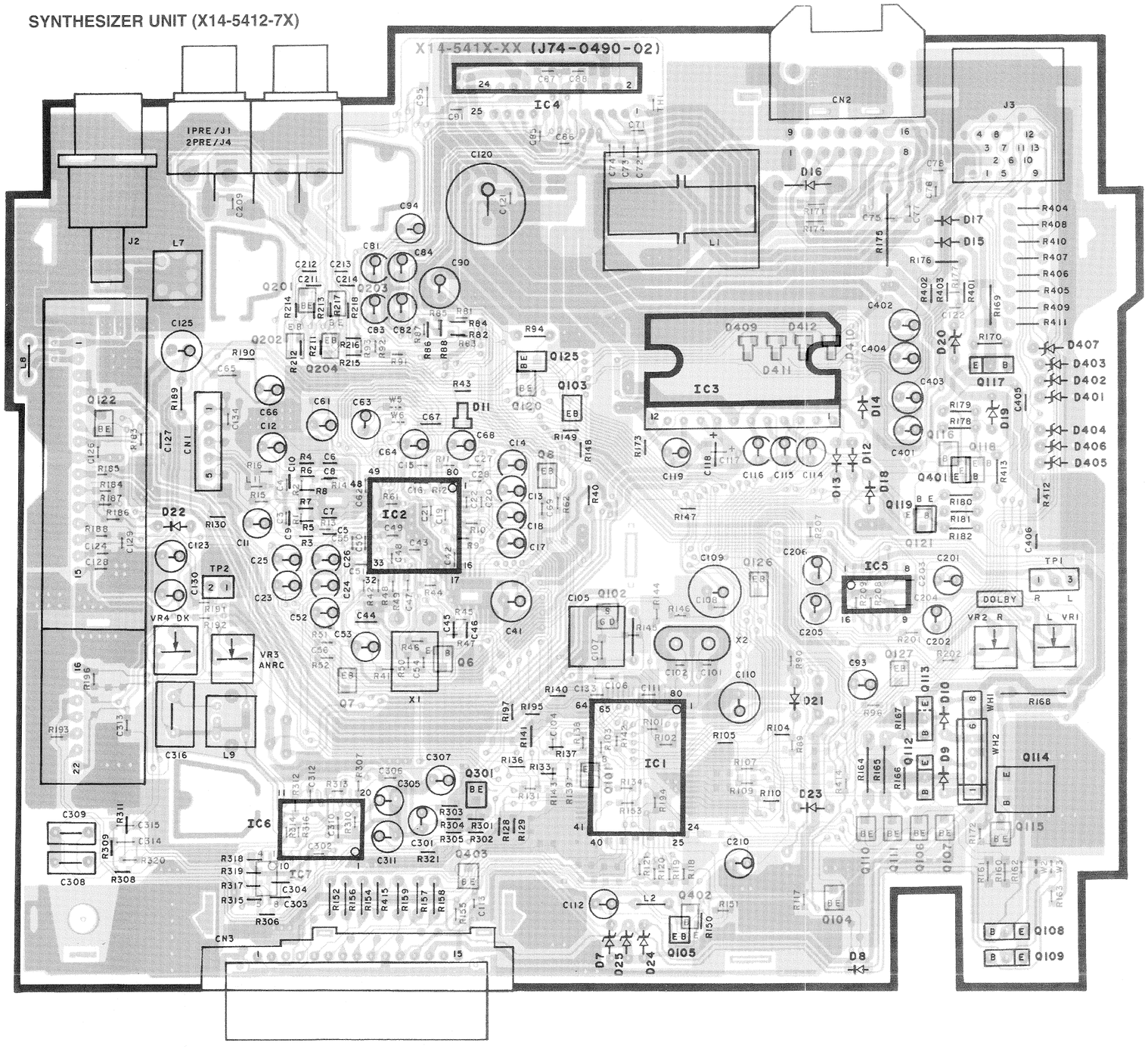
Refer to the schematic diagram for the value of resistors and capacitors.

(X14-5412-7X)

Ref.No.	IC	1	2	3	4	6	7																						
	Q							6	8	101	102	103	104	105	110	112	114	115	118	119	120	121	122	125	126	127	301	401	402	403
Address		5F	4G	3E	1F	5H	6H	4G	4F	5F	4F	3F	6E	6F	6D	5D	5D	5D	3D	4D	3F	4D	3I	3F	4E	5D	5G	3D	6E	6G

PC BOARD (Foil side view)

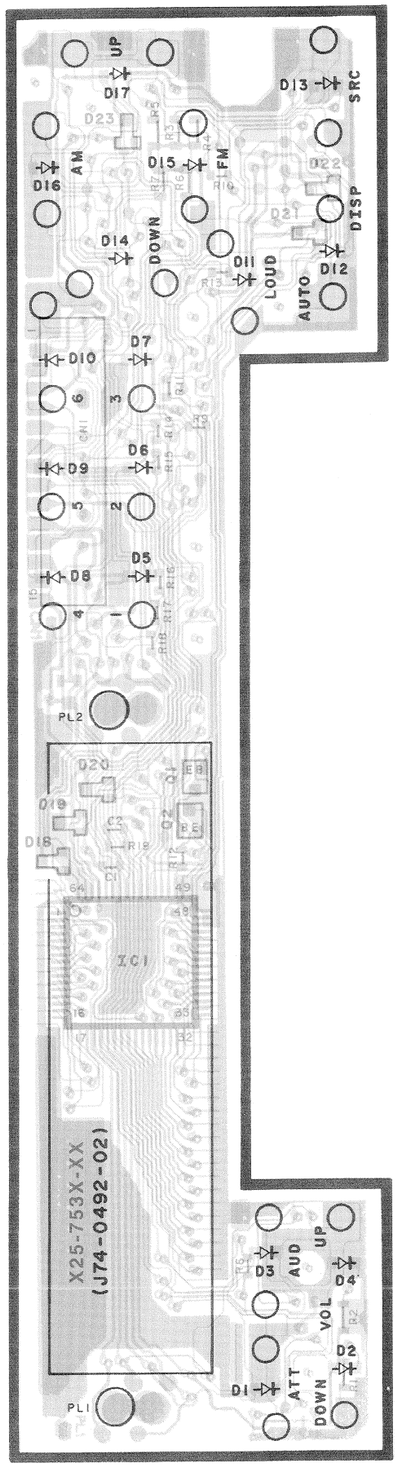
SYNTHESIZER UNIT (X14-5412-7X)



(X14-5412-7X)

Ref.No.																														
	IC	1	2	3	4	6	7																							
	Q							6	8	101	102	103	104	105	110	112	114	115	118	119	120	121	122	125	126	127	301	401	402	403
Address		5O	4M	3O	1N	5M	6L	4M	3N	5N	4N	3N	6P	6O	6P	5P	5Q	5P	3P	4P	3N	4P	3L	3N	4O	5P	5N	3P	6O	6N

SWITCH UNIT (X25-753X-XX)



Refer to the schematic diagram for the value of resistors and capacitors.

1	GND	7	FL-	13	RR+
2	ACC	8	FL+	14	RR-
3	P. CON	9	B.U	15	RL-
4	P. ANT	10	—	16	RL+
5	FR+	11	—		
6	FR-	12	—		

1	REQ H	6	CH GND	11	DATA H
2	GND	7	RST	12	Lch
3	B.U	8	Rch	13	CLK
4	CON	9	REQ C		
5	MUTE	10	DATA C		

(X14-541X-XX)

CASSETTE MECHANISM ASS'Y (D40-1053-05)

IC3 SYSTEM AVR

IC4 PWR AMP

IC1 μ -COM

SIGNAL LINE
GND LINE
+B LINE

IC1 : LC72358-9202
IC2 : TDA7420
IC3 : BA3917-V4
IC4 : TDA7385
IC6 : TDA1579T
IC7 : NJM4565M

Q6,104,115,118,121 : 2SC2412K
Q8,122,125,127,301,401,402 : DTC144EK
Q101,119,120,126,403 : DTA144EK
Q102 : 2SK536
Q103,105 : 2SA1037K
Q110 : DTC114YK
Q112 : 2SB1443
Q114 : 2SB1184

D7,401~407 : UZ-6.2BS(B)
D8 : B30-1449-05
D9,15 : AMO1Z
D11 : DAN202K
D12~14,18,21~23 : 1SS133
D16 : RM10ZLF
D19 : UZL-7(L3)
D20 : UZ-5.1BS(B)
D24,25 : UZ-12BS(B)
D409~412 : DA204K

MODEL NAME		A	B	R91,153,415	R118	R119	R120	R121	D24	D25	Q401~403	W2	W3
KRC-357D	2-70	YES	YES	YES	YES	YES	YES	NO	YES	NO	YES	YES	NO
KRC-357L	2-71	YES	NO	YES	NO	NO	YES	NO	NO	YES	YES	NO	YES
KRC-357N	2-72	YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	YES	NO
KRC-157D/KRC-1570D	2-74	NO	YES	NO	YES	YES	NO	NO	YES	NO	NO	YES	NO
KRC-157L/KRC-1570L	2-75	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	YES
KRC-157N/KRC-1570N	2-77	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	YES	NO

DC CORD: (E30-4312)

TU1
FM ANT
AM ANT
FM VT
AM VT
FM LO/DX
AM LO/DX
AM +B
GND(RF)
OSC
AM SD
AM FSD OUT
AM IF COUNT
AM AF OUT
FM/AM VCC
FM +B
FM SMT
GND(IF)
FM MUTE
MUTE DR
SOFT MUTE
AFC
FM DET OUT

CN1
FWD/REV
GND
Rch
COM
Lch

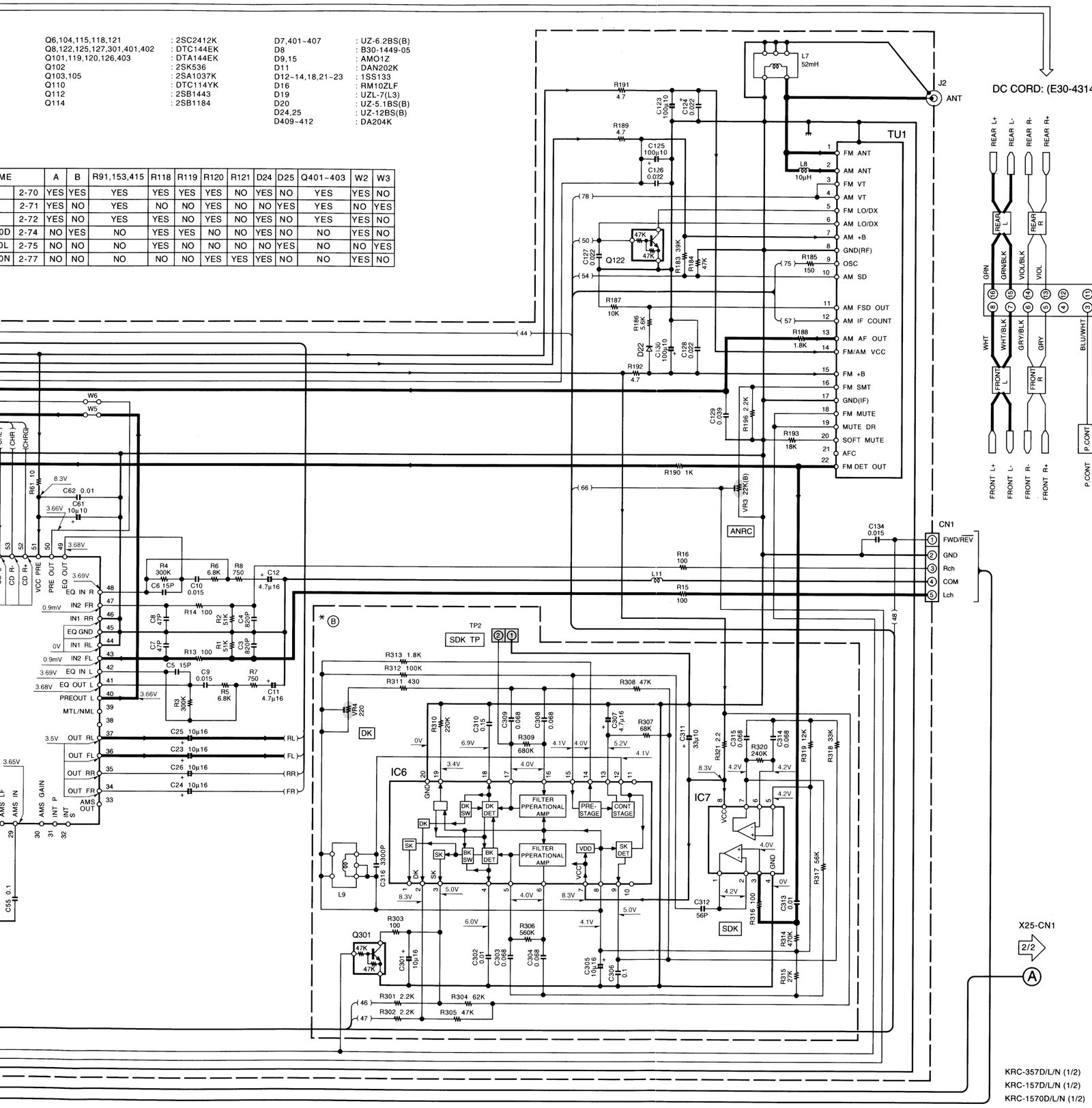
IC4 PWR AMP
IC2
EQ,E-VOL,NC,MPX, T,ADV,CH-ISO
IC6
IC7
SDK TP
TP2
ANRC
VR3 22K(B)
X25-CN1 2/2

KRC-357D/L/N (1/2)
KRC-157D/L/N (1/2)
KRC-1570D/L/N (1/2)

Q6,104,115,118,121	: 2SC2412K
Q8,122,125,127,301,401,402	: DTC144EK
Q101,119,120,126,403	: DTA144EK
Q102	: 2SK536
Q103,105	: 2SA1037K
Q110	: DTC114YK
Q112	: 2SB1443
Q114	: 2SB1184

D7,401~407	: UZ-6.2BS(B)
D8	: B30-1449-05
D9,15	: AMO1Z
D11	: DAN202K
D12~14,18,21~23	: 1SS133
D16	: RM10ZLF
D19	: UZL-7(L3)
D20	: UZ-5.1BS(B)
D24,25	: UZ-12BS(B)
D409~412	: DA204K

ME		A	B	R91,153,415	R118	R119	R120	R121	D24	D25	Q401~403	W2	W3
	2-70	YES	YES	YES	YES	YES	YES	NO	YES	NO	YES	YES	NO
	2-71	YES	NO	YES	NO	NO	YES	NO	NO	YES	YES	NO	YES
	2-72	YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	YES	NO
OD	2-74	NO	YES	NO	YES	YES	NO	NO	YES	NO	NO	YES	NO
OL	2-75	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	YES
ON	2-77	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	YES	NO



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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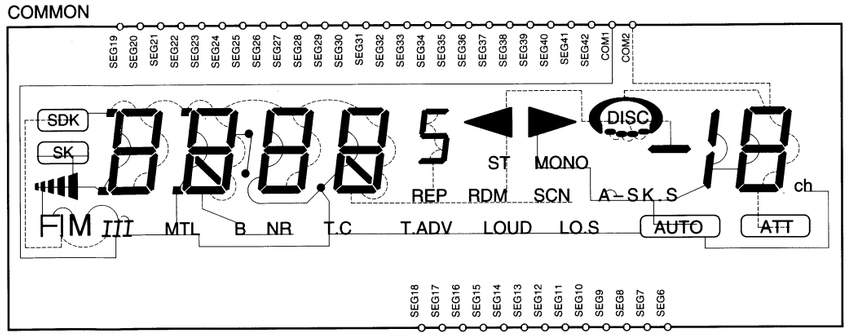
KRC-357D/L/N (1/2)
KRC-157D/L/N (1/2)
KRC-1570D/L/N (1/2)

KRC-157D/L/N,1570D/L/N,357D/L/N

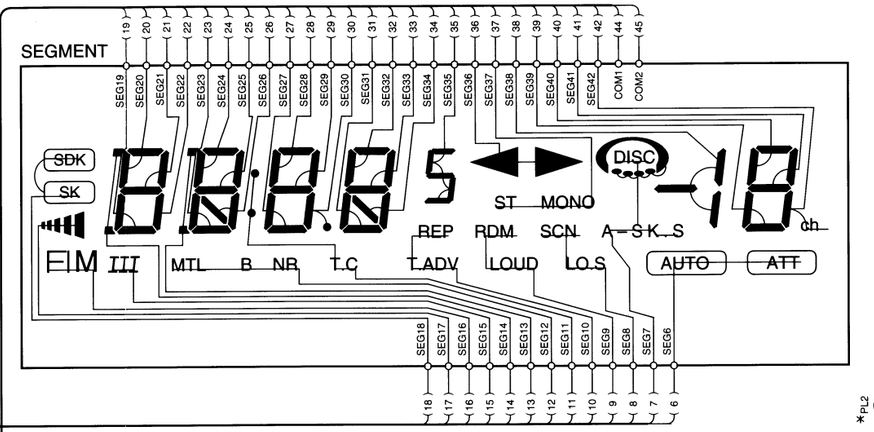
KENWOOD

(X25-753X-XX)

COMMON


SEG19 SEG20 SEG21 SEG22 SEG23 SEG24 SEG25 SEG26 SEG27 SEG28 SEG29 SEG30 SEG31 SEG32 SEG33 SEG34 SEG35 SEG36 SEG37 SEG38 SEG39 SEG40 SEG41 SEG42 COM1 COM2
SDK
SK
DISC
ST MONO
REP RDM SCN A-S.K.S
ch
FM III MTL B NR T.C T.ADV LOUD LO.S AUTO ATT
SEG18 SEG17 SEG16 SEG15 SEG14 SEG13 SEG12 SEG11 SEG10 SEG9 SEG8 SEG7 SEG6

SEGMENT


(19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (44) (45)
SEG19 SEG20 SEG21 SEG22 SEG23 SEG24 SEG25 SEG26 SEG27 SEG28 SEG29 SEG30 SEG31 SEG32 SEG33 SEG34 SEG35 SEG36 SEG37 SEG38 SEG39 SEG40 SEG41 SEG42 COM1 COM2
SDK
SK
DISC
ST MONO
REP RDM SCN A-S.K.S
ch
FM III MTL B NR T.C T.ADV LOUD LO.S AUTO ATT
SEG18 SEG17 SEG16 SEG15 SEG14 SEG13 SEG12 SEG11 SEG10 SEG9 SEG8 SEG7 SEG6
(18) (17) (16) (15) (14) (13) (12) (11) (10) (9) (8) (7) (6)

MODEL NAME		PL1,2	D1~17
KRC-357D	0-10	B30-1306-05	B30-1395-05
KRC-357L	2-71	B30-1305-05	B30-1371-05
KRC-357N	0-10	B30-1306-05	B30-1395-05
KRC-157D	0-10	B30-1306-05	B30-1395-05
KRC-157L	2-71	B30-1305-05	B30-1371-05
KRC-157N	0-10	B30-1306-05	B30-1395-05
KRC-1570D/L/N	0-10	B30-1306-05	B30-1395-05

GND LINE
+B LINE

IC1 : LC75852E

Q1 : DTC144EK
Q2 : DTA144EK

D1~17 : *
D18~23 : UZMA6.2

AUDIO VOL UP ATT VOL DOWN
D1 D2 D3 D4
R1 470 R2 470
PL1

LOUD AUTO DISP SOURCE
D11 D12 D13
R3 330

DOWN FM
D14 D15
R4 470

AM UP
D16 D17
R5 470
R6 330
R7 330

1 2 3 4 5 6
D5 D6 D7 D8 D9 D10
PL2

RST

KS1 KS2 KS3 KS4 KS6 KI1 KI2 KI3 KI4 KI5

R8 1K
R9 1K
R10 1K
R11 1K
R12 1K
R13 1K

IC1
(BOTTOM VIEW)
LCD DRIVER

5.0V 0V
5.0VM 2.5V 0V
0V

R19 62K
C2 680P
C1 0.022

D23 D21 D22
D18 D19 D20

R14 100
R15 100
R16 100
R17 100
R18 100

Q2 47K 47K
Q1 47K 47K

X14-CN3
1/2
A

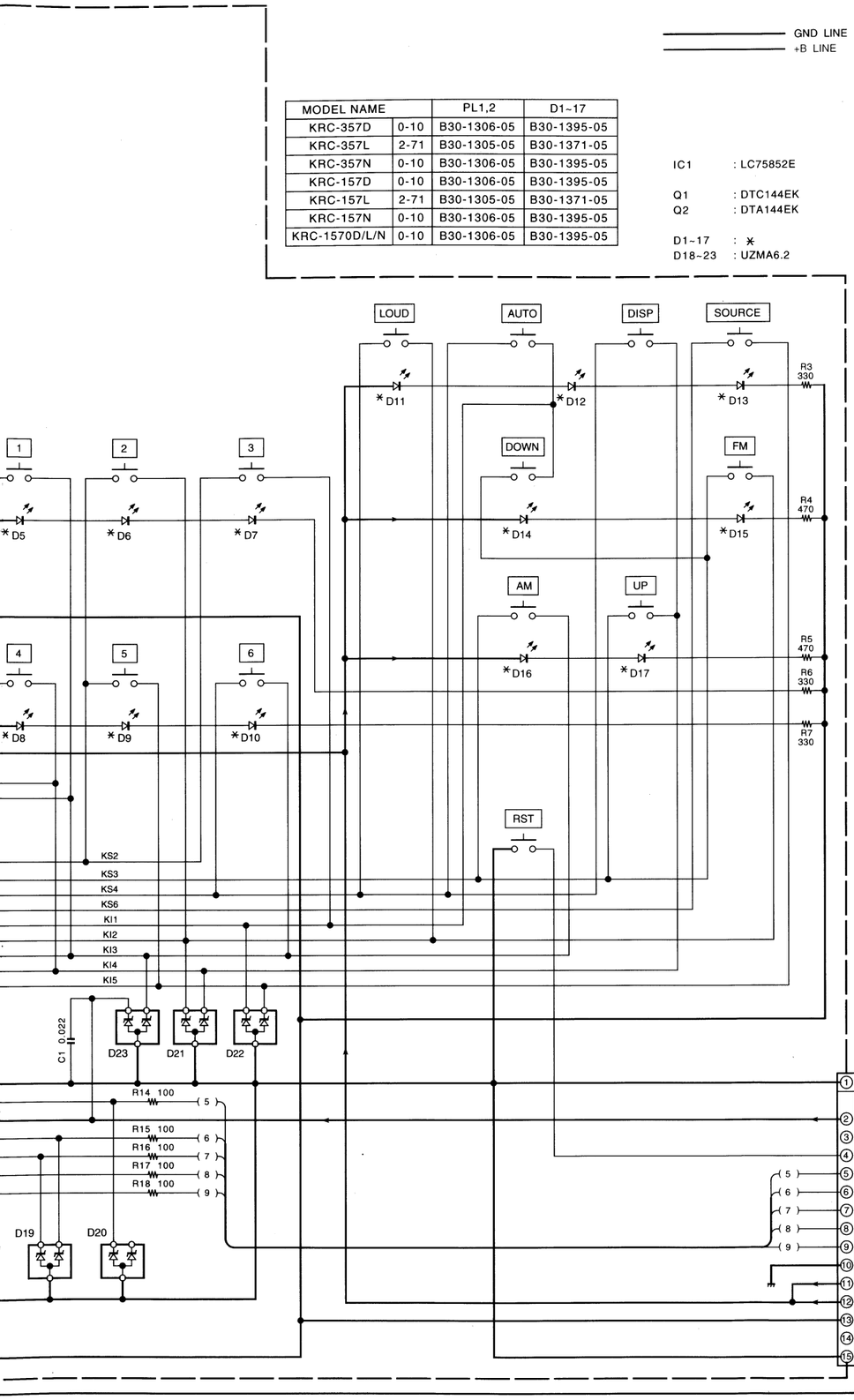
GND LINE
+B LINE

MODEL NAME		PL1,2	D1~17
KRC-357D	0-10	B30-1306-05	B30-1395-05
KRC-357L	2-71	B30-1305-05	B30-1371-05
KRC-357N	0-10	B30-1306-05	B30-1395-05
KRC-157D	0-10	B30-1306-05	B30-1395-05
KRC-157L	2-71	B30-1305-05	B30-1371-05
KRC-157N	0-10	B30-1306-05	B30-1395-05
KRC-1570D/L/N	0-10	B30-1306-05	B30-1395-05

IC1 : LC75852E

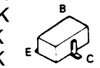
Q1 : DTC144EK
Q2 : DTA144EK

D1~17 : ✳
D18~23 : UZMA6.2

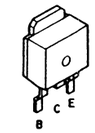


KRC-357D/L/N (2/2)
KRC-157D/L/N (2/2)
KRC-1570D/L/N (2/2)

DTA144EK
DTC114YK
DTC143TK
DTC144EK
2SA1037K
2SC2412K



2SB1184



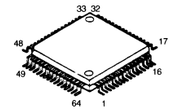
DAN202K

CAUTION: For continued safet
with manufacturer's recommen
safety critical components. For
replace only with same type a
electric shock, leakage-curren
carried out (exposed parts ar
circuit) before the appliance is r

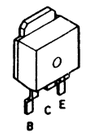
The DC voltage is an actual r
type voltmeter with a cass
measurement value may vary
used or on the product. Bias c
record mode.

DTA144EK
DTC114YK
DTC143TK
DTC144EK
2SA1037K
2SC2412K

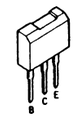
LC75852E



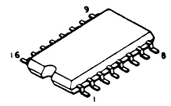
2SB1184



2SB1443



HA12134AF



DAN202K

DA204K

2SK536

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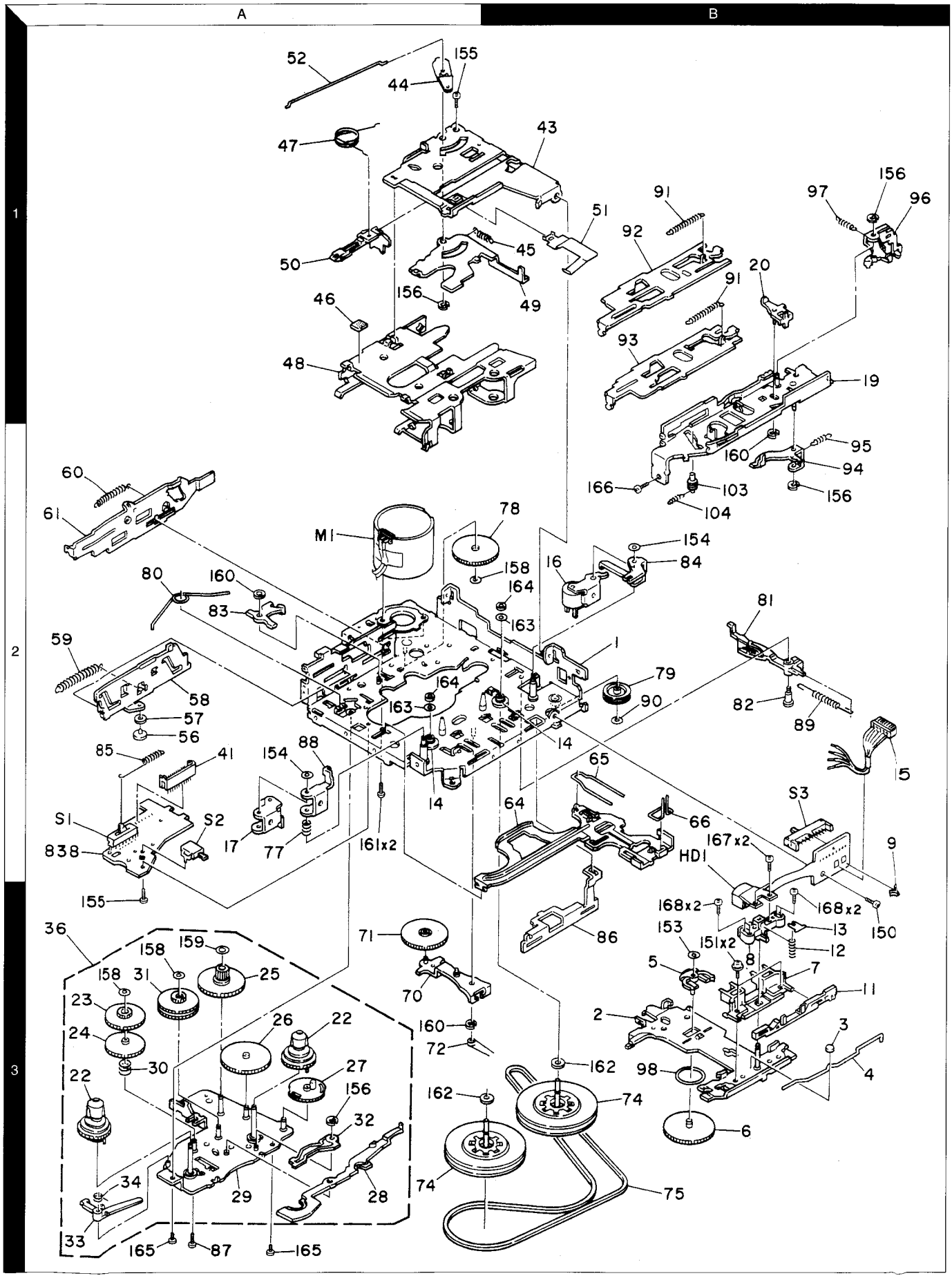
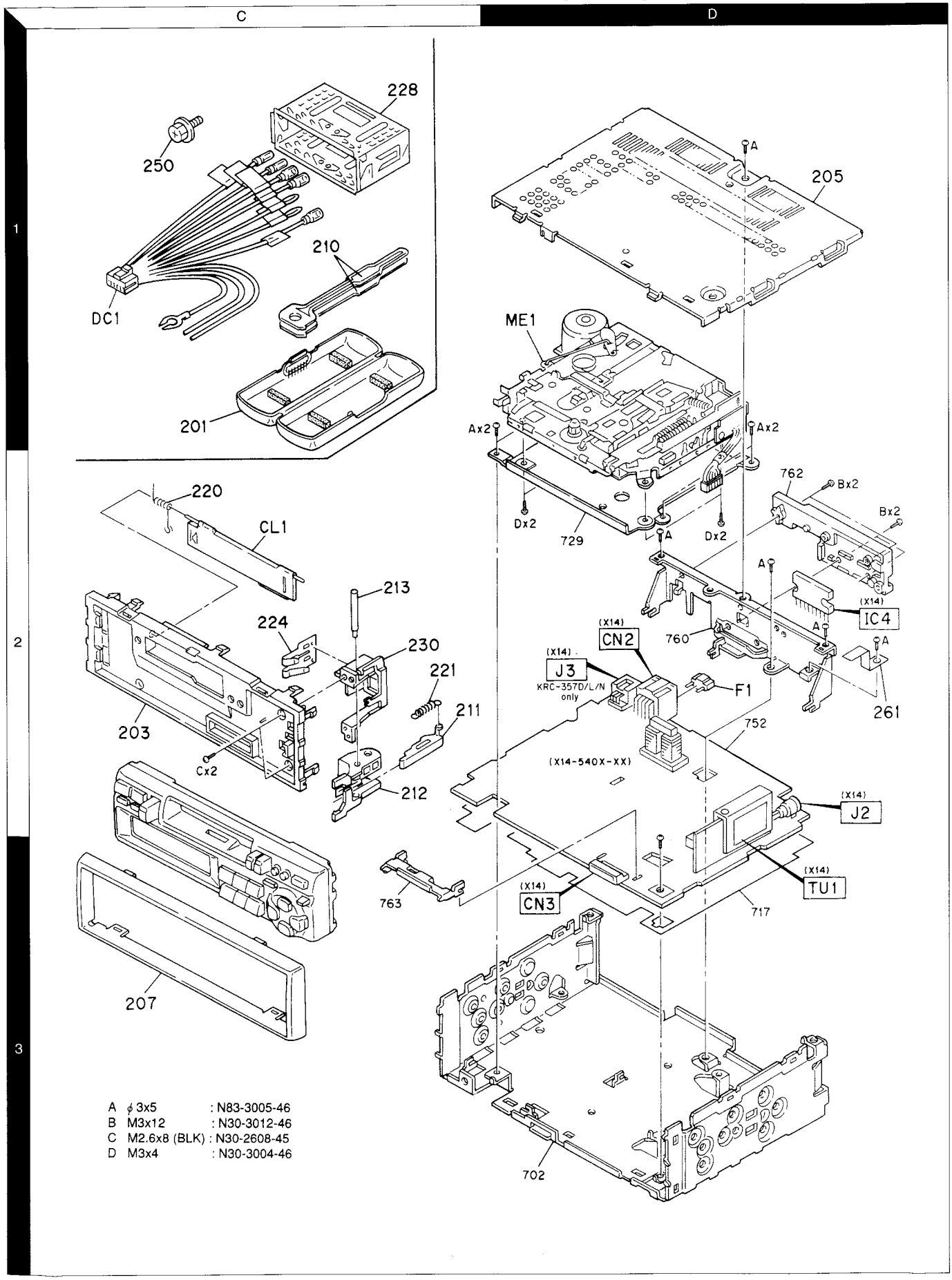
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

KRC-157D/L/N,1570D/L/N,357D/L/N

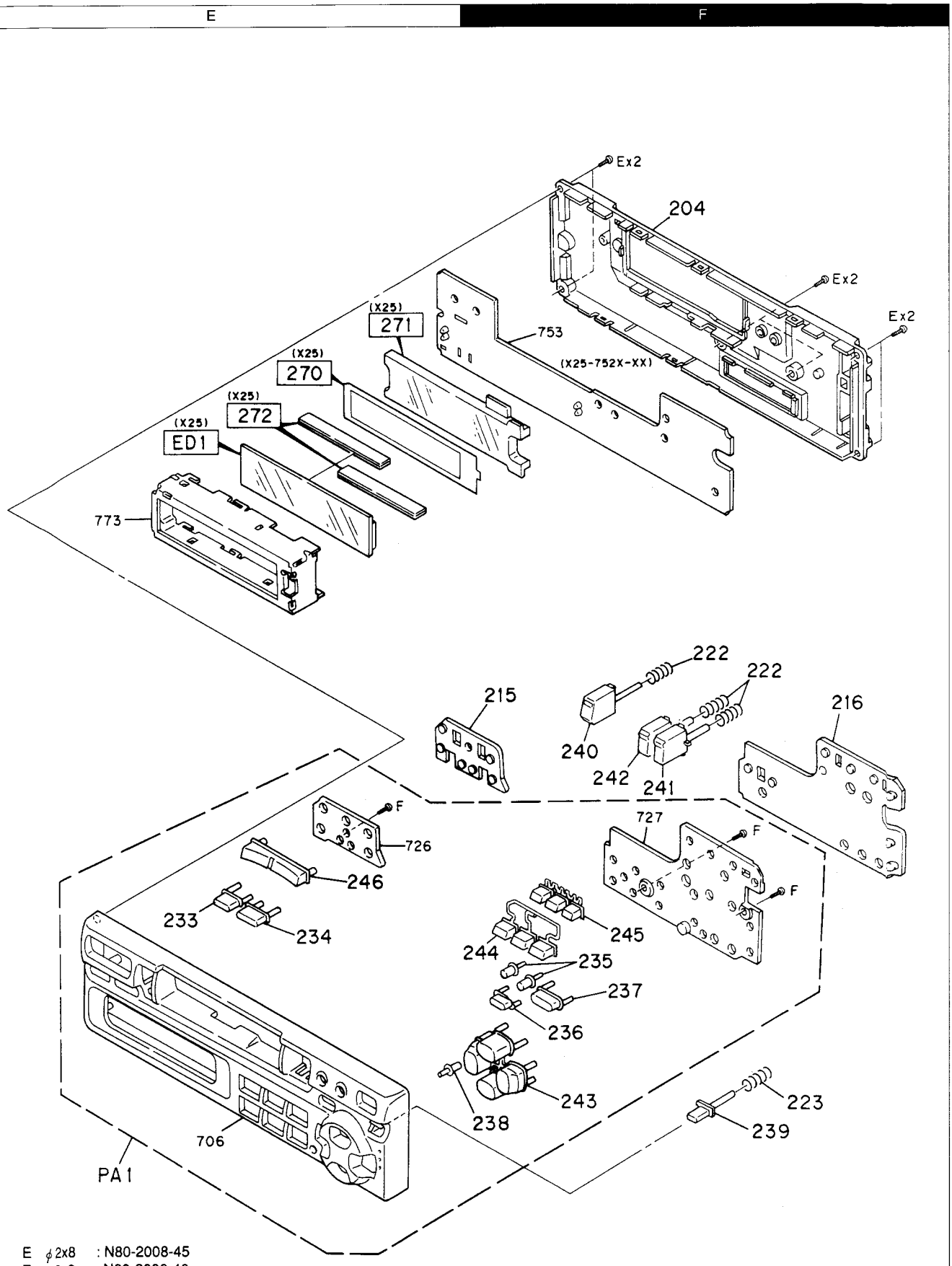
EXPLODED VIEW (UNIT)



A φ3x5 : N83-3005-46
B M3x12 : N30-3012-46
C M2.6x8 (BLK) : N30-2608-45
D M3x4 : N30-3004-46

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



E ϕ2x8 : N80-2008-45
F ϕ2x6 : N80-2006-46

Parts with the exploded numbers larger than 700 are not supplied.

KRC-157D/L/N,1570D/L/N,357D/L/N

PARTS LIST

*New Parts
Parts without **Part No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref.No.	Add	New	Psrts No.	Description	Destination
KRC-357DLN, 157D/L/N, 1570D/L/N					
201	1C		A02-1443-03	PLASTIC CABINET ASSY	
203	2C	*	A22-1261-01	SUB PANEL	
204	1F	*	A46-1245-11	REAR COVER	
205	1D	*	A52-0691-02	TOP PLATE	
CL1	2C	*	A53-1617-03	CASSETTE LID	
PA1	3E	*	A64-0633-02	PANEL ASSY (3D)	D
PA1	3E	*	A64-0634-02	PANEL ASSY (3L)	L
PA1	3E	*	A64-0635-02	PANEL ASSY (3N)	N
PA1	3E	*	A64-0638-02	PANEL ASSY (1D)	D
PA1	3E	*	A64-0639-02	PANEL ASSY (1L)	L
PA1	3E	*	A64-0640-02	PANEL ASSY (1N)	N
PA1	3E	*	A64-0647-02	PANEL ASSY (0D)	D
PA1	3E	*	A64-0648-02	PANEL ASSY (0L)	L
PA1	3E	*	A64-0649-02	PANEL ASSY (0N)	N
207	3C	*	B07-2067-02	ESCUTCHEON	
-			B46-0100-40	WARRANTY CARD	
-			B46-0182-14	ID CARD (3D, 1D, 0D)	D
-			B46-0606-04	ID CARD (3L/N, 1L/N, 0L/N)	L, N
-			B58-1223-04	CAUTION CARD(CH, 4W) (3D/L/N)	
-			B58-1225-04	CAUTION CARD(CH, 2W) (3L/N)	L, N
-		*	B64-0680-00	INST. MANUAL(GERMAN, FRENCH) (3D/L, 1D/L, 0D/L)	D, L
-		*	B64-0681-00	INST. MANUAL(ENGLISH, DUTCH) (3L, 1L)	L
-		*	B64-0682-00	INST. MANUAL(ITALIAN) (3D/L/N, 1D/L/N, ON)	
-		*	B64-0683-00	INST. MANUAL(SPANISH, PORTUGUE.) (3N, 1N, ON)	N
210	1C	*	D10-3031-04	LEVER	
211	2C	*	D10-3037-03	LEVER	
212	2C	*	D10-3038-03	LEVER	
213	2C		D21-2142-04	SHAFT	
ME1	1D		D40-1053-05	CASSETTE MECHANISM ASSY	
215	2F	*	E29-1487-04	CONDUCTIVE RUBBER	
216	2F	*	E29-1489-03	CONDUCTIVE RUBBER	
⚠ DC1	1C		E30-4314-05	DC CORD	
⚠ F1	2D		F52-0006-05	FUSE(MINI BLADE TYPE)(10A)	
220	2C		G01-2525-04	TORSION COIL SPRING	
221	2D		G01-2710-04	EXTENSION SPRING	
222	2F	*	G01-2737-04	COMPRESSION SPRING	
223	3F	*	G01-2738-04	COMPRESSION SPRING	
224	2C		G02-1191-03	FLAT SPRING	
-		*	H10-4521-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03) (3D/N, 1D/N, 0D/N)	D, N
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1111-04	PROTEC. BAG (280X450)(3L, 1L, 0L)	L
-		*	H54-0508-04	ITEM CARTON CASE (3D)	D
-		*	H54-0509-04	ITEM CARTON CASE (3L)	L
-		*	H54-0511-04	ITEM CARTON CASE (3N)	N
-		*	H54-0514-04	ITEM CARTON CASE (1D)	D
-		*	H54-0515-04	ITEM CARTON CASE (1L)	L
-		*	H54-0517-04	ITEM CARTON CASE (1N)	N
-		*	H54-0518-04	ITEM CARTON CASE (0D)	D
-		*	H54-0519-04	ITEM CARTON CASE (0L)	L
-		*	H54-0521-04	ITEM CARTON CASE (0N)	N
-		*	H64-0543-04	OUTER CARTON CASE (3D)	D
-		*	H64-0544-04	OUTER CARTON CASE (3L)	L
-		*	H64-0546-04	OUTER CARTON CASE (3N)	N
-		*	H64-0549-04	OUTER CARTON CASE (1D)	D
-		*	H64-0550-04	OUTER CARTON CASE (1L)	L
-		*	H64-0552-04	OUTER CARTON CASE (1N)	N
-		*	H64-0553-04	OUTER CARTON CASE (0D)	D
-		*	H64-0554-04	OUTER CARTON CASE (0L)	L
-		*	H64-0556-04	OUTER CARTON CASE (0N)	N
228	1C	*	J21-7630-13	MOUNTING HARDWARE ASSY	
230	2C	*	J21-7651-03	MOUNTING HARDWARE	
233	3E	*	K24-1671-04	KNOB (ATT)	
234	3E	*	K24-1672-04	KNOB (AUD)	
235	3F	*	K24-1673-04	KNOB (AUTO, DISP)	
236	3F	*	K24-1674-04	KNOB (LOUD)	
237	3F	*	K24-1678-04	KNOB (SRC)	
238	3F	*	K24-1679-04	KNOB (RESET)	
239	2F	*	K24-1680-04	KNOB (RELEASE)	
240	2E	*	K24-1681-04	KNOB (EJECT)	
241	2F	*	K24-1682-04	KNOB (FF)	
242	2F	*	K24-1683-04	KNOB (REW)	
243	3F	*	K25-0728-03	KNOB (FM/AM)	
244	3F	*	K25-0729-03	KNOB (1-3)	
245	3F	*	K25-0730-03	KNOB (4-6)	
246	2E	*	K25-0731-03	KNOB (VOL)	
250	1C		N09-1885-05	SEMS (MACHINE SCREW)	
A	1D		N83-3005-46	PAN HEAD TAPTITE SCREW	
C	2C		N30-2608-45	PAN HEAD MACHINE SCREW	
D	2D		N30-3004-46	PAN HEAD MACHINE SCREW	
E	1F		N80-2008-45	PAN HEAD TAPTITE SCREW	
F	2F		N80-2006-46	PAN HEAD TAPTITE SCREW	

SYNTHESIZER UNIT(X14-5412-7X)

D8			B30-1449-05	LED		
C3 ,4			CK73FB1H821K	CHIP C	820PF	K
C5 ,6			CC73FCH1H150J	CHIP C	15PF	J
C7 ,8			CC73FCH1H470J	CHIP C	47PF	J
C9 ,10			CK73FB1H153KTA	CHIP C	0.015UF	K
C11 ,12			CE04CW1C4R7M	ELECTRO	4.7UF	16WV
C13 ,14			CE04CW1H2R2M	ELECTRO	2.2UF	50WV
C15 ,16			CK73FB1H152K	CHIP C	1500PF	K
C17 ,18			CE04CW1H2R2M	ELECTRO	2.2UF	50WV
C19 -22			CK73FB1C104K	CHIP C	0.10UF	K
C23 -26			CE04CW1C100M	ELECTRO	10UF	16WV
C27 ,28			CK73FB1H122K	CHIP C	1200PF	K
C41			CE04CW1A101M	ELECTRO	100UF	10WV
C42			CK73FB1H103K	CHIP C	0.010UF	K
C43			CK73FB1C104K	CHIP C	0.10UF	K
C44			CK73EB1E154K	CHIP C	0.15UF	K

⚠ indicates safety critical components.

3D:KRC-357D **3L**:KRC-357L **3N**:KRC-357N
1D:KRC-157D **1L**:KRC-157L **1N**:KRC-157N
0D:KRC-1570D **0L**:KRC-1570L **0N**:KRC-1570N

PARTS LIST

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(X14-5412-7X)

Ref.No.	Add	New	Psrts No.	Description	Destination
C45 , 46			CK73FB1H102K	CHIP C 1000PF K	
C47			CC73FCH1H271J	CHIP C 270PF J	
C48			CK73FB1E473KTA	CHIP C 0.047UF K	
C54			CK73FB1H223KTA	CHIP C 0.022UF K	
C55			CK73FB1C104K	CHIP C 0.10UF K	
C61		*	C90-2854-05	ALMINIUM ELECTROLYTIC C.	
C62			CK73FB1H103K	CHIP C 0.010UF K	
C63 , 64			CE04CW1H010M	ELECTRO 1.0UF 50WV	
C65			CK73EB1E274K	CHIP C 0.27UF K	
C66			CE04CW1H010M	ELECTRO 1.0UF 50WV	
C67			CK73EB1H823K	CHIP C 0.082UF K	
C68			CE04CW1H010M	ELECTRO 1.0UF 50WV	
C69			CK73FB1E473KTA	CHIP C 0.047UF K	
C71 -78			CK73FB1H153KTA	CHIP C 0.015UF K	
C81 -84			CE04CW1HR33M	ELECTRO 0.33UF 50WV	
C85 -88			CK73FB1H821K	CHIP C 820PF K	
C90			CE04CW1A101M	ELECTRO 100UF 10WV	
C91			CK73FB1H821K	CHIP C 820PF K	
C93			CE04CW1H010M	ELECTRO 1.0UF 50WV	
C94			CE04CW1HR33M	ELECTRO 0.33UF 50WV	
C101, 102			CC73FCH1H220J	CHIP C 22PF J	
C104			CK73FB1H331K	CHIP C 330PF K	
C105			CF92V1H394J	MF-C 0.39UF J	
C106, 107			C93-1032-05	CERAMIC 0.10UF K	
C108			CK73FB1H223KTA	CHIP C 0.022UF K	
C109			CE04CW1A221M	ELECTRO 220UF 10WV	
C110			CE04CW1A101M	ELECTRO 100UF 10WV	
C111			CK73FB1H223KTA	CHIP C 0.022UF K	
C112			CE04CW1C100M	ELECTRO 10UF 16WV	
C113			CK73FB1H223KTA	CHIP C 0.022UF K	
C114-116			CE04CW1C4R7M	ELECTRO 4.7UF 16WV	
C117, 118			C92-0009-05	CHIP-TAN 4.7UF 10WV	
C119			CE04CW1C4R7M	ELECTRO 4.7UF 16WV	
C120		*	C90-2855-05	ELECTRO 4700UF 16WV	
C121			CK73FB1H223KTA	CHIP C 0.022UF K	
C122			CK73FB1C104K	CHIP C 0.10UF K	
C123			CE04DW1A101M	ELECTRO 100UF 10WV	
C124			CK73FB1H223KTA	CHIP C 0.022UF K	
C125			CE04CW1A101M	ELECTRO 100UF 10WV	
C126-128			CK73FB1H223KTA	CHIP C 0.022UF K	
C129			CK73FB1E393KTA	CHIP C 0.039UF K	
C130			CE04DW1A101M	ELECTRO 100UF 10WV	
C133			CK73FB1H223KTA	CHIP C 0.022UF K	
C134			CK73FB1H153KTA	CHIP C 0.015UF K	
C301			CE04CW1C100M	ELECTRO 10UF 16WV (3D, 1D, OD)	D
C302			CK73FB1H103K	CHIP C 0.010UF K (3D, 1D, OD)	D
C303, 304			C93-0026-05	CHIP C 0.068UF 50WV(3D, 1D, OD)	D
C305			CE04CW1C100M	ELECTRO 10UF 16WV(3D, 1D, OD)	D
C306			CK73FB1C104K	CHIP C 0.10UF K (3D, 1D, OD)	D
C307			CE04CW1C4R7M	ELECTRO 4.7UF 16WV(3D, 1D, OD)	D
C308, 309			C91-2050-05	CERAMIC 0.068UF Z (3D, 1D, OD)	D
C310			C93-0024-05	CERAMIC 0.15UF 16WV(3D, 1D, OD)	D
C311			CE04CW1A330M	ELECTRO 33UF 10WV(3D, 1D, OD)	D
C312			CC73FCH1H560J	CHIP C 56PF J (3D, 1D, OD)	D
C313			CK73FB1H103K	CHIP C 0.010UF K (3D, 1D, OD)	D

Ref.No.	Add	New	Psrts No.	Description	Destination
C314, 315			C93-0026-05	CHIP C 0.068UF 50WV(3D, 1D, OD)	D
C316			CQ93AP2A332J	POLYPRO 3300PF J (3D, 1D, OD)	D
C401, 402			CE04CW1C4R7M	ELECTRO 4.7UF 16WV (3D/L/N)	
C403, 404			CE04CW0J470M	ELECTRO 47UF 6.3WV (3D/L/N)	
C405, 406			CK73FB1H223KTA	CHIP C 0.022UF K (3D/L/N)	
261	2D	*	E29-1497-04	LEAD PLATE	
CN1			E40-3240-05	PIN ASSY	
⚠ CN2			E58-0836-05	RECTANGULAR RECEPTACLE	
CN3			E58-0838-05	RECTANGULAR RECEPTACLE	
J2			E04-0306-05	RF COAXIAL CABLE RECEPTACLE	
J3			E56-0809-05	CYLINDRICAL RECEPTACLE(3D/L/N)	
WH2			E39-0091-15	WIRING HARNESS	
L1		*	L33-1045-05	CHOKE COIL	
L2			L40-1001-17	SMALL FIXED INDUCTOR(10UH, K)	
L7			L33-1039-05	LINE FILTER COIL	
L8			L40-1001-17	SMALL FIXED INDUCTOR(10UH, K)	
L9			L39-0156-05	TRAP COIL (3D)	D
L11			L92-0308-05	FERRITE CORE	
X1		*	L78-0545-05	RESONATOR (CSB456FB38, AN)	
X2			L77-1163-05	CRYSTAL RESONATOR(4.5M)	
X2			L77-1165-05	CRYSTAL RESONATOR(4.5MHZ)	
A		2D	N83-3005-46	PAN HEAD TAPTITE SCREW	
B		2D	N30-3012-46	PAN HEAD MACHINE SCREW	
R1 , 2			RK73FB2A513J	CHIP R 51K J 1/10W	
R3 , 4			RK73FB2A304J	CHIP R 300K J 1/10W	
R5 , 6			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R7 , 8			RK73FB2A751J	CHIP R 750 J 1/10W	
R9 , 10			RK73FB2A622J	CHIP R 6.2K J 1/10W	
R11 , 12			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R13 -16			RK73FB2A101J	CHIP R 100 J 1/10W	
R42			RK73FB2A302J	CHIP R 3.0K J 1/10W	
R43			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R44			RK73FB2A184J	CHIP R 180K J 1/10W	
R45			RK73FB2A100J	CHIP R 10 J 1/10W	
R46 , 47			RK73FB2A104J	CHIP R 100K J 1/10W	
R48			RK73FB2A271J	CHIP R 270 J 1/10W	
R49			RK73FB2A183J	CHIP R 18K J 1/10W	
R50			RK73FB2A683J	CHIP R 68K J 1/10W	
R61			RK73FB2A100J	CHIP R 10 J 1/10W	
R62			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R81 -84			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R85 -88			RK73FB2A303J	CHIP R 30K J 1/10W	
R89			RK73FB2A223J	CHIP R 22K J 1/10W	
R90			RK73FB2A273J	CHIP R 27K J 1/10W	
R91			RK73FB2A104J	CHIP R 100K J 1/10W(3D/L/N)	
R92			RK73FB2A391J	CHIP R 390 J 1/10W	
R93			RK73FB2A432J	CHIP R 4.3K J 1/10W	
R96			RK73FB2A223J	CHIP R 22K J 1/10W	
R101			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R102			RK73FB2A512J	CHIP R 5.1K J 1/10W	
R103			RK73FB2A563J	CHIP R 56K J 1/10W	
R104, 105			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R107			RK73FB2A473J	CHIP R 47K J 1/10W	

⚠ indicates safety critical components.

3D:KRC-357D **3L**:KRC-357L **3N**:KRC-357N
1D:KRC-157D **1L**:KRC-157L **1N**:KRC-157N
0D:KRC-1570D **0L**:KRC-1570L **0N**:KRC-1570N

KRC-157D/L/N,1570D/L/N,357D/L/N

PARTS LIST

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(X14-5412-7X)

Ref.No.	Add	New	Psrts No.	Description	Destination
R109			RK73FB2A473J	CHIP R 47K J 1/10W	
R110			RK73FB2A103J	CHIP R 10K J 1/10W	
R117			RK73FB2A241J	CHIP R 240 J 1/10W	
R118			RK73FB2A103J	CHIP R 10K J 1/10W(3D/N,1D/L)	
R118			RK73FB2A103J	CHIP R 10K J 1/10W (0D/L)	D,L
R119			RK73FB2A103J	CHIP R 10K J 1/10W	D
R120			RK73FB2A103J	CHIP R 10K J 1/10W	
R120,121			RK73FB2A103J	CHIP R 10K J 1/10W	N
R128			RK73FB2A913J	CHIP R 91K J 1/10W	
R129			RK73FB2A683J	CHIP R 68K J 1/10W	
R130			RK73FB2A223J	CHIP R 22K J 1/10W	
R131			RK73FB2A104J	CHIP R 100K J 1/10W	
R133			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R136			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R137			RK73FB2A103J	CHIP R 10K J 1/10W	
R138			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R139			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R142			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R143			RK73FB2A473J	CHIP R 47K J 1/10W	
R144			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R145			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R146			RK73FB2A331J	CHIP R 330 J 1/10W	
R147			RK73FB2A221J	CHIP R 220 J 1/10W	
R148			RK73FB2A103J	CHIP R 10K J 1/10W	
R149,150			RK73FB2A473J	CHIP R 47K J 1/10W	
R151			RK73FB2A273J	CHIP R 27K J 1/10W	
R153			RK73FB2A473J	CHIP R 47K J 1/10W (3D/L/N)	
R155			RK73FB2A103J	CHIP R 10K J 1/10W	
R164			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R168			RD14DB2H2R2J	SMALL-RD 2.2 J 1/2W	
R172			RK73FB2A103J	CHIP R 10K J 1/10W	
R173			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R174			RK73EB2B472J	CHIP R 4.7K J 1/8W	
R175			RS14DB3A332J	FL-PROOF RS 3.3K J 1W	
R177			RK73FB2A273J	CHIP R 27K J 1/10W	
R183			RK73FB2A393J	CHIP R 39K J 1/10W	
R184			RK73FB2A473J	CHIP R 47K J 1/10W	
R185			RK73FB2A101J	CHIP R 100 J 1/10W	
R186			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R187			RK73FB2A103J	CHIP R 10K J 1/10W	
R188			RK73FB2A182J	CHIP R 1.8K J 1/10W	
R190			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R191,192			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R193			RK73FB2A183J	CHIP R 18K J 1/10W	
R194			RK73FB2A473J	CHIP R 47K J 1/10W	
R195			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R196			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R301,302			RK73FB2A222J	CHIP R 2.2K J 1/10W(3D,1D,0D)	D
R303			RK73FB2A101J	CHIP R 100 J 1/10W(3D,1D,0D)	D
R304			RK73FB2A623J	CHIP R 62K J 1/10W(3D,1D,0D)	D
R305			RK73FB2A473J	CHIP R 47K J 1/10W(3D,1D,0D)	D
R306			RK73FB2A564J	CHIP R 560K J 1/10W(3D,1D,0D)	D
R307			RK73FB2A683J	CHIP R 68K J 1/10W(3D,1D,0D)	D
R308			RK73FB2A473J	CHIP R 47K J 1/10W(3D,1D,0D)	D
R309			RK73FB2A684J	CHIP R 680K J 1/10W(3D,1D,0D)	D

Ref.No.	Add	New	Psrts No.	Description	Destination
R310			RK73FB2A224J	CHIP R 220K J 1/10W(3D,1D,0D)	D
R311			RK73FB2A431J	CHIP R 430 J 1/10W(3D,1D,0D)	D
R312			RK73FB2A104J	CHIP R 100K J 1/10W(3D,1D,0D)	D
R313			RK73FB2A182J	CHIP R 1.8K J 1/10W(3D,1D,0D)	D
R314			RK73FB2A474J	CHIP R 470K J 1/10W(3D,1D,0D)	D
R315			RK73FB2A273J	CHIP R 27K J 1/10W(3D,1D,0D)	D
R316			RK73FB2A101J	CHIP R 100 J 1/10W(3D,1D,0D)	D
R317			RK73FB2A563J	CHIP R 56K J 1/10W(3D,1D,0D)	D
R318			RK73FB2A333J	CHIP R 33K J 1/10W(3D,1D,0D)	D
R319			RK73FB2A123J	CHIP R 12K J 1/10W(3D,1D,0D)	D
R320			RK73FB2A244J	CHIP R 240K J 1/10W(3D,1D,0D)	D
R321			RK73FB2A2R2J	CHIP R 2.2 J 1/10W(3D,1D,0D)	D
R401-403			RK73EB2B4R7J	CHIP R 4.7 J 1/8W (3D/L/N)	
R412			RK73FB2A104J	CHIP R 100K J 1/10W (3D/L/N)	
R414			RK73FB2A104J	CHIP R 100K J 1/10W (3D/L/N)	
VR3			R12-0679-05	TRIMMING POT.(22K)	
VR4			R12-0605-05	TRIMMING POT.(220) (3D,1D,0D)	D
W2			R92-2052-05	CHIP R 0 J 1/10W(3D/N,1D/N)	D,N
W2			R92-2052-05	CHIP R 0 J 1/10W (0D/N)	D,N
W3			R92-2052-05	CHIP R 0 J 1/10W (3L,1L,0L)	L
W5 ,6			R92-2052-05	CHIP R 0 J 1/10W	
D7			UZ-6.2BS(B)	ZENER DIODE	
D9			AM01Z	DIODE	
D9			ERA15-01	DIODE	
D11			DAN202K	DIODE	
D12 -14			1SS133	DIODE	
D15			AM01Z	DIODE	
D15			ERA15-01	DIODE	
D16			RM10ZLF	DIODE	
D18			1SS133	DIODE	
D19			UZL-7(L3)	ZENER DIODE	
D20			UZ-5.1BS(B)	ZENER DIODE	
D21 -23			1SS133	DIODE	
D24			UZ-12BS(B)	ZENER DIODE (3D/N,1D/N,0D/N)	D,N
D25			UZ-12BS(B)	ZENER DIODE (3L,1L,0L)	L
D401-407			UZ-6.2BS(B)	ZENER DIODE (3D/L/N)	
D409-412			DA204K	DIODE (3D/L/N)	
IC1		*	LC72358-9202	MI-COM IC	
IC2		*	TDA7420	ANALOGUE IC	
IC3		*	BA3917-V4	ANALOGUE IC	
IC4		*	TDA7385	ANALOGUE IC	
IC6			TDA1579T	IC(DECODER) (3D,1D,0D)	D
IC7			NJM4565M	IC(OP AMP X2) (3D,1D,0D)	D
Q6			2SC2412K	TRANSISTOR	
Q8			DTC144EK	DIGITAL TRANSISTOR	
Q8			UN2213	DIGITAL TRANSISTOR	
Q101			DTA144EK	DIGITAL TRANSISTOR	
Q101			UN2113	DIGITAL TRANSISTOR	
Q102			2SK536	FET	
Q103			2SA1037K	TRANSISTOR	
Q104			2SC2412K	TRANSISTOR	
Q105			2SA1037K	TRANSISTOR	
Q110			DTC114YK	DIGITAL TRANSISTOR	
Q110		*	UN2214	DIGITAL TRANSISTOR	

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3D:KRC-357D **3L**:KRC-357L **3N**:KRC-357N
1D:KRC-157D **1L**:KRC-157L **1N**:KRC-157N
0D:KRC-1570D **0L**:KRC-1570L **0N**:KRC-1570N

PARTS LIST

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Ref.No.	Add	New	Psrts No.	Description	Destination
Q112			2SB1443	TRANSISTOR	
Q114			2SB1184	TRANSISTOR	
Q115			2SC2412K	TRANSISTOR	
Q118			2SC2412K	TRANSISTOR	
Q119, 120			DTA144EK	DIGITAL TRANSISTOR	
Q119, 120			UN2113	DIGITAL TRANSISTOR	
Q121			2SC2412K	TRANSISTOR	
Q122			DTC144EK	DIGITAL TRANSISTOR	
Q122			UN2213	DIGITAL TRANSISTOR	
Q125			DTC144EK	DIGITAL TRANSISTOR	
Q125			UN2213	DIGITAL TRANSISTOR	
Q126			DTA144EK	DIGITAL TRANSISTOR	
Q126			UN2113	DIGITAL TRANSISTOR	
Q127			DTC144EK	DIGITAL TRANSISTOR	
Q127			UN2213	DIGITAL TRANSISTOR	
Q301			DTC144EK	DIGITAL TRANSISTOR (3D, 1D, 0D)	D
Q301			UN2213	DIGITAL TRANSISTOR (3D, 1D, 0D)	D
Q401, 402			DTC144EK	DIGITAL TRANSISTOR (3D/L/N)	
Q401, 402			UN2213	DIGITAL TRANSISTOR (3D/L/N)	
Q403			DTA144EK	DIGITAL TRANSISTOR (3D/L/N)	
Q403			UN2113	DIGITAL TRANSISTOR (3D/L/N)	
TH1		*	NT732ATD33KJ	THERMISTOR	
TU1		*	W02-1512-05	FM/AM FRONT-END	
SWITCH UNIT(X25-7530-10:3D/N,1D/N,0D/L/N 2-71:3L,1L)					
270	1E	*	B11-0911-04	OPTICAL DIFFUSER	
271	1E	*	B19-1050-03	LIGHTING BOARD	
D1 -17			B30-1371-05	LED (3L, 1L)	L
D1 -17			B30-1395-05	LED (3D/N, 1D/N, 0D/L/N)	
ED1		*	B38-0640-05	LIQUID CRYSTAL	
PL1 ,2			B30-1305-05	LAMP (5.5V .125A) (3L, 1L)	L
PL1 ,2			B30-1306-05	LAMP (5.5V .125A) (3D/N, 1D/N)	D, N
PL1 ,2			B30-1306-05	LAMP (5.5V .125A) (0D/L/N)	
C1			CK73FB1H223KTA	CHIP C 0.022UF K	
C2			CK73FB1H681K	CHIP C 680PF K	
272	1E	*	E29-1491-04	CONDUCTIVE RUBBER	
CN1			E59-0818-05	RECTANGULAR PLUG	
R1 ,2			RK73EB2B471J	CHIP R 470 J 1/8W	
R3			RK73EB2B331J	CHIP R 330 J 1/8W	
R4 ,5			RK73EB2B471J	CHIP R 470 J 1/8W	
R6 ,7			RK73EB2B331J	CHIP R 330 J 1/8W	
R8 -13			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R14 -18			RK73FB2A101J	CHIP R 100 J 1/10W	
R19			RK73FB2A623J	CHIP R 62K J 1/10W	
D18 -23			UZMA6.2	ZENER DIODE	
IC1			LC75852E	MOS-IC	
Q1			DTC144EK	DIGITAL TRANSISTOR	
Q1			UN2213	TRANSISTOR	
Q2			DTA144EK	DIGITAL TRANSISTOR	
Q2			UN2113	TRANSISTOR	
CASSETTE MECHANISM ASSY(D40-1053-05)					
1	2A		A10-2345-08	CHASSIS ASSY	

Ref.No.	Add	New	Psrts No.	Description	Destination
2	3B		J21-7524-08	MOUNTING HARDWARE (P.B. HEAD)	
3	3B		D14-0630-08	SPRING ROLLER	
4	3B		G01-2613-08	TORSION SPRING (PINCH ROLLER)	
5	3B		D10-2907-08	SLIDER	
6	3B		D13-1102-08	GEAR	
7	3B		J90-0743-08	TAPE GUIDE	
8	2B		J19-4554-08	HEAD HOLDER	
9	2B		J11-0604-08	CLAMPER	
11	3B		D10-2908-08	SHIFT PLATE	
12	3B		G01-2695-08	H.G SPRING	
13	3B		J90-0742-08	WASHER	
15	2B		E39-0059-08	WIRING HARNESS	
16	2B		D10-2752-08	PINCH ROLLER ASSY (F)	
17	2A		D10-2753-08	PINCH ROLLER ASSY (R)	
19	2B		J21-7528-08	MOUNTING HARDWARE	
20	1B		D10-2909-08	SLIDER	
22	3A		D03-0308-08	REEL DISK	
23	3A		D13-1103-08	GEAR	
24	3A		D13-1104-08	GEAR	
25	3A		D13-1105-08	GEAR	
26	3A		D13-1106-08	GEAR	
27	3A		D13-1107-08	GEAR (REV)	
28	3A		D10-2755-08	ARM	
29	3A		A11-0889-08	SUB CHASSIS ASSY	
30	3A		G01-2618-08	COMPRESSION SPRING	
31	3A		D13-1111-08	GEAR	
32	3A		D10-2756-08	ARM	
33	3A		D10-2757-08	ARM	
34	3A		G01-2614-08	TORSION SPRING	
36	3A		D03-0309-08	REEL DISK ASSY	
41	2A		E60-0802-08	CONNECTOR	
43	1B		D10-2758-08	ARM	
44	1A		D10-1346-08	SLIDER	
45	1B		G01-1574-08	TENSION SPRING	
46	1A		G11-1550-08	CUSHION	
47	1A		G01-2696-08	TORSION SPRING	
48	1A		J19-4451-08	HOLDER	
49	1A		D10-2759-08	ARM	
50	1A		D10-2768-08	SLIDER	
51	1B		G02-1153-08	FLAT SPRING	
52	1A		G09-0051-08	SPRING	
56	2A		D14-0631-08	ROLLER	
57	2A		D14-0632-08	ROLLER	
58	2A		D10-2747-08	LEVER	
59	2A		G01-2620-08	TENSION SPRING	
60	2A		G01-2621-08	TENSION SPRING	
61	2A		D10-2912-08	LEVER	
64	2B		D10-2769-08	SLIDER	
65	2B		G09-2006-08	SPRING	
66	2B		G09-2007-08	SPRING	
70	3A		D10-2754-08	ARM	
71	2A		D13-1109-08	GEAR	
72	3A		G01-2616-08	TORSION SPRING	
74	3B		D01-0605-08	FLYWHEEL ASSY	
75	3B		D16-0606-08	BELT	

⚠ indicates safety critical components.

3D:KRC-357D **3L**:KRC-357L **3N**:KRC-357N
1D:KRC-157D **1L**:KRC-157L **1N**:KRC-157N
0D:KRC-1570D **0L**:KRC-1570L **0N**:KRC-1570N

KRC-157D/L/N,1570D/L/N,357D/L/N

PARTS LIST

*New Parts
Parts without **Part No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

(D40-1053-05)

Ref.No.	Add	New	Psrts No.	Description	Destination
77	2A		G01-2619-08	COMPRESSION SPRING	
78	2B		D13-1110-08	GEAR	
79	2B		D15-0909-08	PULLEY	
80	2A		G01-2617-08	TORSION SPRING	
81	2B		D10-2760-08	ARM	
82	2B		N09-4055-08	SCREW	
83	2A		D10-2761-08	ARM	
84	2B		D10-2762-08	ARM	
85	1A		G01-2622-08	TENSION SPRING	
86	3B		D10-2749-08	LEVER	
87	3A		N09-4056-08	SCREW	
88	2A		D10-2763-08	ARM	
89	2B		G01-2623-08	TENSION SPRING	
90	2B		N19-2038-08	FLAT WASHER	
91	1B		G01-2697-08	TENSION SPRING	
92	1B		D10-2913-08	LEVER	
93	1B		D10-2914-08	LEVER	
94	2B		D10-2764-08	ARM	
95	2B		G01-2625-08	TENSION SPRING	
96	1B		D10-2765-08	ARM	
97	1B		G01-2626-08	TENSION SPRING	
98	3B		N19-2035-08	FLAT WASHER	
103	2B		D19-0604-08	PIN	
104	2B		G01-2627-08	TENSION SPRING	
150	2B		N09-4009-05	SCREW	
151	3B		N09-4009-05	SCREW	
153	3B		N19-2036-08	FLAT WASHER	
154	2A		N19-2037-08	FLAT WASHER	
155	1A		N84-2003-45	SCREW	
156	1A		N24-3015-60	E TYPE RETAINING RING	
158	2B		N19-2043-08	FLAT WASHER	
159	2A		N19-2039-08	FLAT WASHER	
160	2B		N24-3020-60	E TYPE RETAINING RING	
161	2A		N09-4058-08	SCREW	
162	3B		N19-2050-08	FLAT WASHER	
163	2B		N19-2041-08	FLAT WASHER	
164	2B		N19-2042-08	FLAT WASHER	
165	3A		N09-4092-08	SCREW	
166	2B		N09-4060-08	SCREW	
167	3B		N09-4109-08	SCREW	
168	3B		N09-4110-08	SCREW	
HD1	2B		T31-0214-08	PLAYBACK HEAD	
M1	2A		T42-0734-08	MOTOR ASSY	
S1	2A		S62-0813-08	SLIDE SWITCH	
S2	2A		S68-0803-08	PUSH SWITCH	
S3	2B		S62-0812-08	SLIDE SWITCH	

Ref.No.	Add	New	Psrts No.	Description	Destination

⚠ indicates safety critical components.

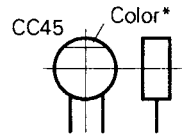
3D:KRC-357D **3L**:KRC-357L **3N**:KRC-357N
1D:KRC-157D **1L**:KRC-157L **1N**:KRC-157N
0D:KRC-1570D **0L**:KRC-1570L **0N**:KRC-1570N

PARTS DESCRIPTIONS

CAPACITORS

CC 45 TH 1H 220 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF

2 2 0 = 22pF
0 = Multiplier
2 = 2nd number
2 = 1st number

• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF - 10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

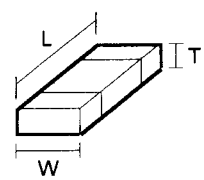
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B,F)

Dimension



• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KRC-157D/L/N,1570D/L/N,357D/L/N

SPECIFICATIONS

Specifications subject to change without notice.

FM Tuner section

Frequency range.....87.5 - 108.0 MHz
Frequency step.....50 kHz
Usable sensitivity (S/N=26dB).....0.7 µV/75 ohms
Quieting Sensitivity (S/N=46dB).....1.6 µV/75 ohms
Frequency response (±3.0dB).....30 Hz - 15kHz
Signal to Noise ratio (MONO).....68 dB
Selectivity (±400kHz).....80 dB
Stereo separation (1 kHz).....35 dB

MW Tuner section

Frequency range.....531 - 1611 kHz
Frequency step.....9 kHz
Usable sensitivity (S/N=20dB).....30 µV

LW tuner section (Function of the KRC- 357L/157L/1570L)

Frequency range.....153 kHz - 281 kHz
Usable sensitivity (S/N=20dB).....45 µV

Cassette Player section

Tape speed.....4.76 cm/sec.
Wow & Flutter (WRMS).....0.12%
Frequency response (120 µS).....30Hz - 14kHz (±3 dB)
Stereo separation (1 kHz).....40 dB
Signal to Noise ratio.....54 dB

Audio Section

Maximum output power .....30 W x 4
output power (DIN45324, +B=14.4V).....20 W x 4
Tone action (Bass: 100 Hz).....±10 dB
(Treble: 10 kHz).....±10 dB

General

Operating voltage.....14.4V(11- 16V allowable)
Current consumption.....10A at Rated power
Installation size (W x H x D).....182mm x 53mm x 154mm
Weight.....1.3 kg

Note: The specifications and design of this unit are subject to continued technical development and may be changed without notice.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:
Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the General market(M) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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